

MAYOR & COUNCIL AGENDA COVER SHEET

MEETING DATE:

July 24, 2006

CALL TO PODIUM:

Fred Felton, Assistant City Manager

RESPONSIBLE STAFF:

Fred Felton, Assistant City Manager

AGENDA ITEM:

(please check one)

	Presentation
	Proclamation/Certificate
	Appointment
	Public Hearing
	Historic District
	Consent Item
	Ordinance
	Resolution
	Policy Discussion
X	Work Session Discussion Item
	Other:

PUBLIC HEARING HISTORY:

(Please complete this section if agenda item is a public hearing)

Introduced	
Advertised	
Hearing Date	
Record Held Open	
Policy Discussion	

TITLE:

Review of a Draft Adequate Facilities Ordinance—Schools Test

SUPPORTING BACKGROUND:

While the City has not formally adopted a schools test, we routinely consult with MCPS to ensure there is adequate school capacity under the County's Annual Growth Policy (AGP) prior to approving residential development.

Montgomery County Schools Test

For you review, I have attached a copy of the current Montgomery County AGP Schools Test from the FY 2007 MCPS Educational Facilities Master Plan, Appendix H that discusses program capacity calculations, and Appendix X that shows AGP capacity County wide. Please note that AGP capacity is always slightly higher than program capacity because it does not factor smaller classes for ESOL, classroom reduction, and other similar initiatives.

Pursuant to the Montgomery County schools test, elementary schools and middle schools can not exceed 105% of AGP capacity; however, capacity is measured cluster wide rather than by individual elementary and middle school. For high schools, the standard is 100% of AGP capacity, but capacity can be borrowed from adjoining high school clusters.

The AGP Test includes a feature that would allow a development to be approved in areas that otherwise fail the schools test, if the utilization of schools falls over the AGP guidelines but remains

Continued on page 2

DESIRED OUTCOME:

Hear presentation, and provide guidance to the staff.

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SUPPORTING BACKGROUND CONTINUED:

but remains under 110%. In these cases, the developer has the option of paying a fee of \$12,500 for each student the subdivision is expected to generate.

While the County's schools test is often criticized as not being adequate to prevent growth related school overcrowding, supporters note that the County uses it as a tool for planning school capital projects based on development approvals. The County seeks to identify schools sites through the Master Plan process, but they do not plan school projects or budget for construction funds until new capacity is needed for existing communities or approved development.

City of Rockville's Schools Test

On November 1, 2005 the City of Rockville adopted an APFO with a schools test significantly different from the County's schools test. Key components of Rockville's schools test include the following:

- On an annual basis, test individual schools whose attendance area is either wholly or partially within the City of Rockville.
- Evaluate the utilization of each school two years in the future—comparing projected enrollment to MCPS program capacity.
- Do not allow borrowing of capacity from adjacent schools.
- In cases where a school's utilization exceeds 110 percent, close the school attendance area to residential development approvals for a one-year period. (Exclude projects of three or fewer residential units from the moratorium.)
- Apply the schools test in late June of each year, following publication of the MCPS Educational Facilities Master Plan, and utilize the outcomes for the following fiscal year.

The City's new APFO evaluates school utilizations for 2008/2009. Based on this evaluation, the following school attendance areas (or the portions that are within the City limits) are now closed to residential development approvals for the remainder of this year:

<u>Schools Failing the AFPO Test</u>	<u>Project Utilization Level in 2008-2009</u>
Beall Elementary School	130 percent
Twinbrook Elementary School	116 percent
Maryvale Elementary School	118 percent
Thomas S. Wootton High School	116 percent
Walter Johnson High School	111 percent

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Effect of Applying Rockville Test to Schools Attended by Gaithersburg Residents

Staff did an analysis of the effect of applying Rockville's test to schools attended by City residents. The high schools and middle schools would all have capacity, but three elementary schools would fail:

Rachel Carson ES	118 percent
Summit Hall ES	113 percent
Thurgood Marshall ES	112 percent

Options For Gaithersburg

- 1) Formally adopt Montgomery County's schools test.

The advantage to this option is that it would be a consistent schools test for most of the County and it would not place City property owners at a competitive disadvantage. However, this option would have no effect on pace of development within Gaithersburg in the foreseeable future.

- 2) Adopt schools test similar to City of Rockville.

This option would slow the pace of development in Gaithersburg that would feed into the most overcrowded schools. However, the County could continue to approve development that would further overcrowd these schools. Additionally, depending on the timing of the Shady Grove Sector Plan and the construction of the new high school at the Crown Farm, City properties within the Gaithersburg cluster could go into long term moratorium. Finally, without residential development approvals, MCPS would not plan or budget for capital projects to accommodate Master Plan residential growth in Gaithersburg. In the event the Mayor and City Council choose this option, MCPS staff strongly recommends that we use the full six year MCPS Capital Budget rather than only using two years out as a base line.

- 3) Hybrid approach that would adopt Rockville's standard, but allow development to continue up to what would be approved by the County if developer pays a fee of \$12,500 for each student generated between the Rockville standard and the County standard. The fee would be given to MCPS and used to facilitate capacity projects in the cluster the development incurs.

Attachments

- 1) County Annual Growth Policy from MCPS FY 2007 Master Plan
- 2) Appendix H from MCPS FY 2007 Master Plan
- 3) Appendix X from MCPS FY 2007 Master Plan
- 4) Gaithersburg Cluster excerpt from MCPS FY 2007 Master Plan
- 5) Northwest Cluster from MCPS FY 2007 Master Plan

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- 6) Quince Orchard Cluster from MCPS FY 2007 Master Plan
- 7) Thomas S. Wootton Cluster from MCPS FY 2007 Master Plan
- 8) Watkins Mill Cluster from MCPS FY 2007 Master Plan
- 10) Memorandum from Superintendent Weast dated December 2, 2005.
- 11) Analysis of capacity of schools attended by Gaithersburg residents using Rockville's Schools Test.

growth is closely related to completion of new homes, while household size will continue to grow in areas where more affordable housing is available. The final large community that will be built, according to the county's longstanding general plan, "On Wedges and Corridors," is Clarksburg. The Clarksburg Master Plan allows for the development of a community of up to 15,000 housing units. A number of large subdivisions in Clarksburg are well underway. A new school cluster will be formed when Clarksburg High School opens in August 2006.

Areas of the county that already have substantial amounts of residential development are being revisited in county and city master plans. A desire to increase housing in these areas is driven by a jobs-to-housing imbalance that exacerbates traffic congestion. Planning for high-density residential projects in the Gaithersburg vicinity, and at the Shady Grove and Twinbrook METRO stations is underway. In an effort to bring more housing to these high employment areas, several thousand additional residential units, mostly multifamily, are being planned. Redevelopment of the Rockville Town Center will result in high-density multifamily communities near the Rockville METRO station. Several projects are now under construction in the Town Center.

As the availability of land for residential development decreases, infill and redevelopment will characterize new growth. Higher densities than seen in the past will be needed to supply more housing in this urbanizing county. This type of development and densification may create a problem for identifying adequate school sites to support new communities. Many of the new sites that will be needed may not be eligible for dedication. Site dedications are associated with "green fields" developments where very large subdivisions are in single ownership and there is sufficient school impact (in terms of the number of students generated), so that the county can require dedication of the land. In contrast, in the newer land use plans that are focused on intensifying housing in established areas of the county (especially near access to transit) the same conditions of subdivision scale and single ownership are seldom present.

In some cases the county may face the added expense of purchasing school sites, as well as constructing schools.

Growth Policy

In the fall of 2003, the County Council concluded a yearlong review of the county's Growth Policy (formerly known as the "Annual Growth Policy", or "AGP"). The Growth Policy is the tool the county uses to regulate subdivision approvals commensurate with the availability of adequate transportation and school facilities. The Growth Policy review addressed widespread dissatisfaction with the policy and its failure to regulate the pace of development in areas of the county with overutilized roads and schools. Both the transportation test and schools test provisions of the Growth Policy were substantially modified. On the transportation side, the most significant change was the elimination of "policy area transportation review" (PATR). On the school side, a new, tighter approach to testing school capacity was adopted.

The new Growth Policy test of school adequacy assesses school capacity 5 years in the future in 25 cluster areas. Elementary, middle, and high school capacities are tested separately. For each school level, the total projected enrollment of all schools in the cluster is compared to total school capacity five years in the future (factoring in additional capacity that will be built as part of the County Council adopted Capital Improvements Program.) If a cluster exceeds Growth Policy capacity guidelines at any school level, the cluster area is shut down to residential subdivision approvals for at least one year, until the next Growth Policy results are evaluated. A cluster may come out of the "closed" status in future growth policy tests if capacity is added in the CIP, a boundary change resolves the space deficit, or enrollment trends result in lower utilization levels.

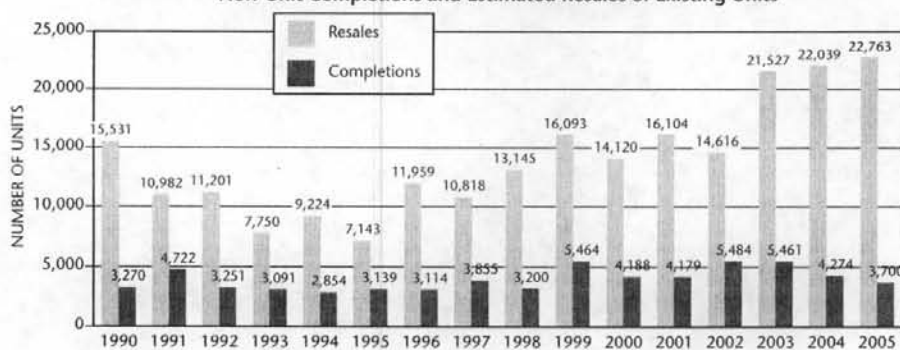
The Growth Policy schools test uses what is called "Growth Policy capacity" for schools. This is a fixed, "structural" capacity for schools, unlike MCPS program capacity that is adjusted for the type of programs offered in schools. For the elementary and middle school tests, 105 percent of Growth Policy capacity is

used; at the high school level, 100 percent of Growth Policy capacity is used. At the high school level if a cluster fails the test, then capacity in high schools in adjacent clusters may be considered. At the elementary and middle school levels this "borrowing" of capacity from adjacent clusters is not allowed. (See Appendix X for results of the FY 2007 Growth Policy schools test.)

The new Growth Policy test includes a feature that would allow a subdivision to be approved in areas that otherwise fail the schools test, if the utilization of schools falls over the Growth Policy guidelines, but remains under 110 percent. In

Montgomery County Housing Trends, 1990-2005

New Unit Completions and Estimated Resales of Existing Units



Source: Montgomery County Department of Park and Planning, May 2006.

Note: New completions include multifamily rental units. Existing rental units that turnover are not included in resale figures for existing housing.

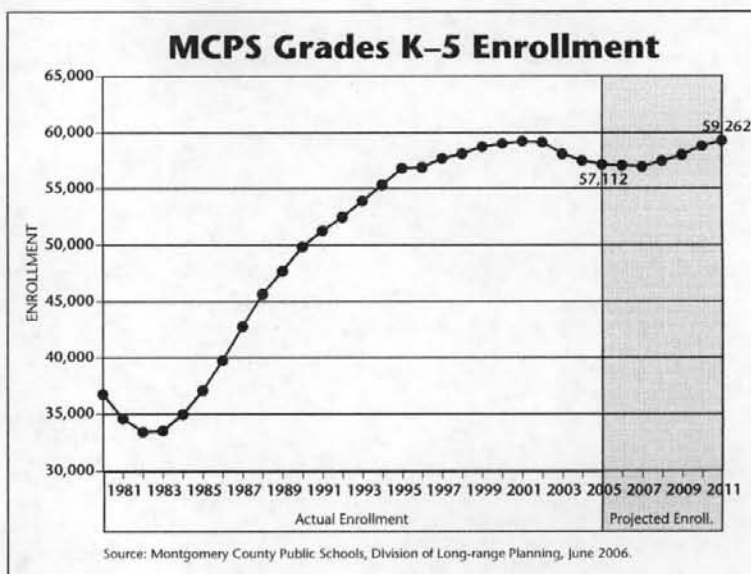
these cases, a developer has the option of paying a fee of \$12,500 for each student the subdivision is estimated to generate. If the developer agrees to pay this charge, the subdivision may proceed.

Enrollment Forecast

The school enrollment forecast presented in this document is based on county births, aging of the current student population, student migration patterns, and the latest projections of economic growth in terms of jobs and the housing market. As the number of students in each grade has become more equal, enrollment growth has slowed. Enrollment change in the next six years will be driven by highly variable migration patterns and projected increases in resident births.

Official September 30, 2005, enrollment is 139,387, an increase of 50 from the previous school year. The new enrollment forecast indicates that enrollment dips that have occurred in the past few years at the elementary and middle school levels will reach the high school level in the next few years. However, because of increased births after 2000, elementary enrollment will pull up from its dip and begin increasing again after 2007. Prekindergarten and Head Start enrollment are projected to remain stable, while increases in special education enrollment are projected. The interaction of the ups and downs in the grade levels, and special program enrollment trends, results in a slow-growth projection for MCPS wherein enrollment increases by just over 1,000 students in the next six years.

The six-year forecast for Grades K-5 enrollment shows an increase of 2,150 from the 2005 enrollment of 57,112, to the projected 2011 enrollment of 59,262. The six-year forecast for Grades 6-8 enrollment shows a decline of 827 from the 2005 enrollment of 29,080 to the projected 2011 enrollment of 28,253. The six-year forecast for Grades 9-12 enrollment

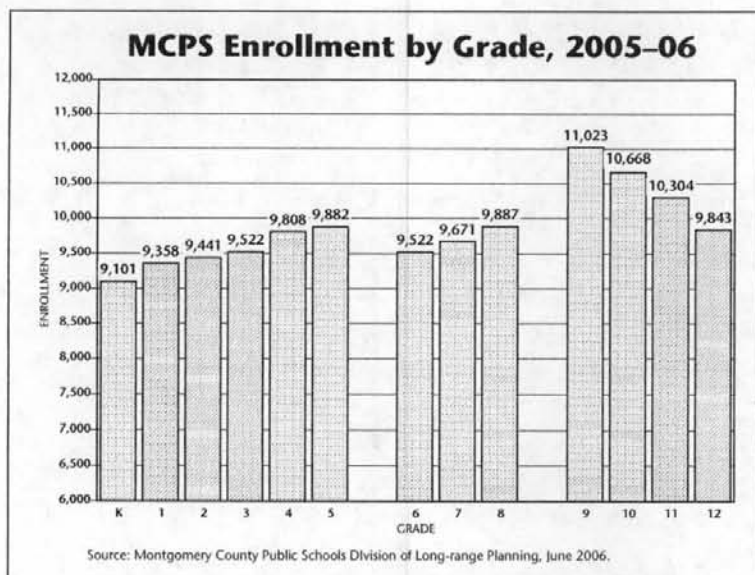


shows a decrease of 1,144 from the 2005 enrollment of 41,838 to the projected 2011 enrollment of 40,694. Factoring in the forecast for prekindergarten, alternative, Gateway to College, and special education programs, the six-year forecast for total enrollment shows an increase of 1,492 from the 2005 enrollment of 139,387, to the projected 2011 enrollment of 140,879. (See Appendices A and B for further details on enrollments by grade level and program. See Appendix G for a description of the MCPS enrollment forecasting methodology.)

Summary

The era of enrollment increase described in this chapter will have spanned more than 25 years by the end of this six-year forecast period. Enrollment will have increased by nearly 50,000 students over this period and the race/ethnic composition of the system will have been transformed. Keeping up with this growth already has required a major investment in school facilities. Since 1985, 25 elementary schools, 17 middle schools, and 5 high schools have opened (including 8 reopenings of closed schools). In the coming year five more schools will open; one high school and four elementary schools. Even with all of these school openings, and numerous additions to existing schools, the school system is still substantially behind in meeting its space needs. In the 2005-06 school year 719 relocatable classrooms were in use, housing approximately 17,000 students. A key objective of this CIP is closing the gap between enrollment levels and school space. Our success in this effort will be measured by the number of relocatable classrooms we remove in the coming years.

Competing with the need for school capacity is the need to preserve our investment in school facilities through a systematic schedule of school modernizations. Over the past 20 years, 48 elementary schools, 9 middle schools, and 8 high schools have been modernized. Modernizations will continue to be a priority as schools on the list



Appendix H

Capacity Calculations

School capacity is defined by the State of Maryland as the maximum number of students that can reasonably be accommodated in a facility without significantly hampering delivery of the given educational program. School capacity is the product of the number of teaching stations at a school and the average class size for each program (based generally on the student-to-teacher ratio). The state of Maryland and MCPS rate capacities using slightly different student-to-teacher ratios.

MCPS Program Capacity

Class size for regular and supplemental programs, such as English for Speakers of Other Languages (ESOL), is based on MCPS policy, regulation, and budget guidelines. Most jurisdictions in Maryland, including Montgomery County, are striving to reduce class sizes. State and federal regulations mandate a maximum class size limit for preschool programs.

The current standard student-to-classroom ratios used to calculate school capacities as stated in the Interim Board of Education Long-range Educational Facilities Regulation (FAA-RA), are as follows:

Head Start and prekindergarten—2 sessions	40:1
Head Start and prekindergarten—1 session	20:1
Kindergarten—1/2 day	44:1
Kindergarten—full-day	22:1
Kindergarten—Reduced class size full-day	15:1
Grades 1–2—Reduced class size	17:1
Grades 1–5/6 Elementary	23:1
Grades 6–12 Secondary	25:1*
ESOL (secondary)	15:1

*Program capacity differs at the secondary level in that regular classroom capacity in the regular classroom capacity of 25 is multiplied by .9 to reflect the optimal utilization of a secondary school (equivalent to 22.5 students per classroom).

Many schools that appear to have space based on their calculated program capacity often need relocatable classrooms to accommodate the programs operating in the school. There are several explanations for this situation.

- **Staffing Ratio:** Capacity calculations are based on a student-to-classroom ratio of 23:1; however, staffing (student-to-teacher ratio) is not always provided at the same ratio. When the student-to-teacher ratio is less than the student-to-room ratio, the calculated capacity will not support the number of teachers provided by the staffing ratio in the facility. For example, if staffing is provided at 22:1, and capacity is calculated at 23:1, then for a building with 20 classrooms the capacity would be 460 (20 x 23) students but there would be 21 teachers based on the staffing ratio (460/22 = 20.9),

therefore one additional classroom would be needed to accommodate a 22:1 staffing ratio.

- **An Odd Number of Half-Day Kindergarten/Prekindergarten Sessions:** For example, if a school has three half-day kindergarten sessions, two classrooms are needed. However, one classroom will be empty for half of the day. For capacity purposes each kindergarten classroom is calculated with a capacity of 44 (22 for each half-day session that can be held in the classroom). In this example, 66 kindergarten students may be served in two classrooms, but the capacity is calculated as 88. If 22 Grades 1–5 students enrolled in the school and an additional teacher were assigned to the school, a relocatable classroom may be needed even though the school has not exceeded its calculated capacity.
- **Combined Staffing:** Some schools are provided additional staffing to meet the needs of students in the school. For example, a school that has a large number of students impacted by poverty may be allocated an additional .5 teaching position to assist students and an additional .5 teaching position for Title 1 services. The school may decide to combine the allocated staff to create an additional classroom teaching position, thereby creating the need for an additional classroom. In this case, the enrollment has not increased and the calculated capacity has not changed, but the need for classrooms has increased.
- **Capping Class Size:** In schools that may have very large class sizes in certain grades, additional staff may be provided to reduce the oversized classes to keep them within Board of Education guidelines. For example, if a school has two second-grade classes each with 28 students and four more students enroll in second grade, adding the additional students to the two large classes would cause the two classes to exceed the maximum class size cap of 28 students in Grades 1–3. If there was no opportunity to create combination classes with other grades, an additional teacher would be provided, and the school would reorganize with three second-grade classes of 20 students each. The additional teacher could create the need for a relocatable classroom.

Small instructional spaces and specialized classrooms are provided for all schools and are allocated on the basis of enrollment size and the need for supplementary instructional activities, such as remedial reading, special education resource, speech, art, and music. All new and modernized elementary schools are designed to house full-day kindergarten. Individual school capacities, however, do not reflect full-day kindergarten unless

the program actually is located in the school.

In situations where the educational program will not be adversely affected, MCPS leases space on an annual basis to appropriate outside organizations. In most cases, these organizations are referred to as "joint occupants" and are usually day-care providers. Before and afterschool programs also are provided in many MCPS schools. Spaces used by day-care providers on MCPS sites range from shared use of multipurpose rooms before and after school, to relocatable classrooms on a school site that are financed by the provider and operated for the school community. If space is available, one or more classrooms can be leased for full-day programs.

Although day-care providers' leases are short-term in nature and may be terminated, maintaining day care is an important

priority for Montgomery County. In areas of the county where enrollments are increasing, less space will be available in school buildings for day-care providers. At a few schools, including Thurgood Marshall and Viers Mill elementary schools, child care suites have been constructed as a cooperative county/MCPS project.

State-rated Capacity

State-rated capacity, used to determine state funding, is based on "full-time equivalent" enrollment. As a result, student enrollment and capacities factor half-day kindergarten students as .5 "students." This makes MCPS and state capacity ratings differ. See Appendix C for a comparison of these capacity ratings for all schools.

Appendix X

Growth Policy—Schools Test for FY 2007

Reflects County Council Adopted FY 2007–2012 Capital Improvements Program (CIP) and MCPS Enrollment Forecast

Elementary School Enrollment and MCPS Program Capacity

Cluster Area	Projected Sept. 2011 Enrollment	100% MCPS* Capacity With Adopted FY07–12 CIP	Capacity Remaining @ 100% MCPS capacity
Bethesda-Chevy Chase	3,036	2,752	-284
Montgomery Blair	3,785	3,510	-275
James Hubert Blake	2,299	1,941	-358
Winston Churchill	2,486	2,646	160
Clarksburg	3,316	2,965	-351
Damascus	1,955	2,101	146
Albert Einstein	2,380	2,010	-370
Gaithersburg	3,700	3,968	268
Walter Johnson	3,073	2,946	-127
John F. Kennedy	2,291	1,775	-516
Col. Zadok Magruder	2,599	2,509	-90
Richard Montgomery	2,299	1,975	-324
Northwest	3,767	3,514	-253
Northwood	2,498	2,375	-123
Paint Branch	2,246	1,965	-281
Poolesville	635	754	119
Quince Orchard	2,828	2,596	-232
Rockville	2,467	2,199	-268
Seneca Valley	2,291	2,185	-106
Sherwood	2,346	2,484	138
Springbrook	2,796	2,861	65
Watkins Mill	2,488	2,509	21
Wheaton	2,422	2,213	-209
Walt Whitman	2,034	2,052	18
Thomas S. Wootton	2,993	3,052	59

Growth Policy Test Using Growth Policy Capacity

105% GP** Capacity With Adopted FY07–12 CIP	GP Test: Students Above or Below 105 % GP Cap.	Growth Policy Test Result— Capacity is:
3,238	202	Adequate
4,638	853	Adequate
2,539	240	Adequate
3,123	637	Adequate
3,677	361	Adequate
2,886	931	Adequate
2,838	458	Adequate
4,998	1,298	Adequate
3,507	434	Adequate
2,477	186	Adequate
3,416	817	Adequate
2,562	263	Adequate
4,249	482	Adequate
3,068	570	Adequate
2,778	532	Adequate
851	216	Adequate
3,159	331	Adequate
3,169	702	Adequate
2,752	461	Adequate
2,936	590	Adequate
3,757	961	Adequate
3,334	846	Adequate
2,956	534	Adequate
2,365	331	Adequate
3,425	432	Adequate

Middle School Enrollment and MCPS Program Capacity

Cluster Area	Projected Sept. 2011 Enrollment	100% MCPS* Capacity With Adopted FY07–12 CIP	Capacity Remaining @ 100% MCPS capacity
Bethesda-Chevy Chase	1,018	1,098	80
Montgomery Blair	1,976	2,402	426
James Hubert Blake	1,163	1,425	262
Winston Churchill	1,298	1,415	117
Clarksburg	1,422	1,264	-158
Damascus	987	992	5
Albert Einstein	976	1,510	534
Gaithersburg	1,517	1,866	349
Walter Johnson	1,566	1,866	300
John F. Kennedy	1,191	1,371	180
Col. Zadok Magruder	1,197	1,719	522
Richard Montgomery	926	1,044	118
Northwest	1,840	2,082	242
Northwood	1,128	1,398	270
Paint Branch	1,165	1,385	220
Poolesville	312	500	188
Quince Orchard	1,232	1,730	498
Rockville	958	1,030	72
Seneca Valley	1,256	1,483	227
Sherwood	1,284	1,561	277
Springbrook	1,109	1,227	118
Watkins Mill	1,100	1,216	116
Wheaton	1,531	1,837	306
Walt Whitman	1,222	1,341	119
Thomas S. Wootton	1,450	1,576	126

Growth Policy Test Using Growth Policy Capacity

105% GP** Capacity With Adopted FY07–12 CIP	GP Test: Students Above or Below 105 % GP Cap.	Growth Policy Test Result— Capacity is:
1181	163	Adequate
2622	646	Adequate
1536	373	Adequate
1630	332	Adequate
1465	43	Adequate
1134	147	Adequate
1796	820	Adequate
2292	775	Adequate
2244	678	Adequate
1607	416	Adequate
1890	693	Adequate
1229	303	Adequate
2339	499	Adequate
1725	597	Adequate
1536	371	Adequate
543	231	Adequate
1914	682	Adequate
1205	247	Adequate
1701	445	Adequate
1701	417	Adequate
1488	379	Adequate
1370	270	Adequate
2032	501	Adequate
1465	243	Adequate
1748	298	Adequate

Growth Policy—Schools Test for FY 2007

High School Enrollment and MCPS Program Capacity

Cluster Area	Projected Sept. 2011 Enrollment	100% MCPS* Capacity With Adopted FY07–12 CIP	Capacity Remaining @ 100% MCPS capacity
Bethesda-Chevy Chase	1,649	1,665	16
Montgomery Blair	2,662	2,830	168
James Hubert Blake	1,808	1,716	-92
Winston Churchill	1,909	2,008	99
Clarksburg	1,354	1,600	246
Damascus	1,480	1,643	163
Albert Einstein	1,607	1,592	-15
Gaithersburg	2,152	2,126	-26
Walter Johnson	2,095	2,131	36
John F. Kennedy	1,441	1,727	286
Col. Zadok Magruder	1,900	2,020	120
Richard Montgomery	1,863	1,966	103
Northwest	2,279	2,228	-51
Northwood	1,382	1,621	239
Paint Branch	1,710	1,998	288
Poolesville	708	868	160
Quince Orchard	1,840	1,796	-44
Rockville	1,159	1,607	448
Seneca Valley	1,431	1,527	96
Sherwood	2,099	2,063	-36
Springbrook	2,053	2,148	95
Watkins Mill	1,631	1,876	245
Wheaton	1,411	1,490	79
Walt Whitman	1,907	1,922	15
Thomas S. Wootton	2,291	2,023	-268

Growth Policy Test Using Growth Policy Capacity

100% GP** Capacity With Adopted FY07–12 CIP	GP Test: Students Above or Below 100 % GP Cap.	Growth Policy Test Result—Capacity is:	
1710	61	Paint Branch 383	Adequate
2993	331		Adequate
1778	-30		Adequate
2115	206		Adequate
1643	289		Adequate
1688	208		Adequate
1800	193		Adequate
2340	188		Adequate
2363	268		Adequate
1935	494		Adequate
2115	215		Adequate
2093	230		Adequate
2295	16		Adequate
1710	328		Adequate
2093	383		Adequate
900	192		Adequate
1980	140		Adequate
1778	619		Adequate
1665	234		Adequate
2183	84		Adequate
2273	220		Adequate
2025	394	Richard Montgomery 230	Adequate
1643	232		Adequate
2025	118		Adequate
2183	-108		Adequate

The Growth Policy (GP) schools test compares projected enrollment in 2010–11 to total capacity in 2010–11, including programmed additional capacity available by that year.

The GP schools test uses 105% GP Capacity for elementary and middle schools, and 100% GP Capacity for high schools.

The GP schools test is within cluster for elementary and middle schools, and at high school level capacity may be "borrowed" from adjacent clusters.

* MCPS program capacity based on rating of capacity for special programs as well as regular education program, (published in November in the CIP and in June in the Master Plan.)

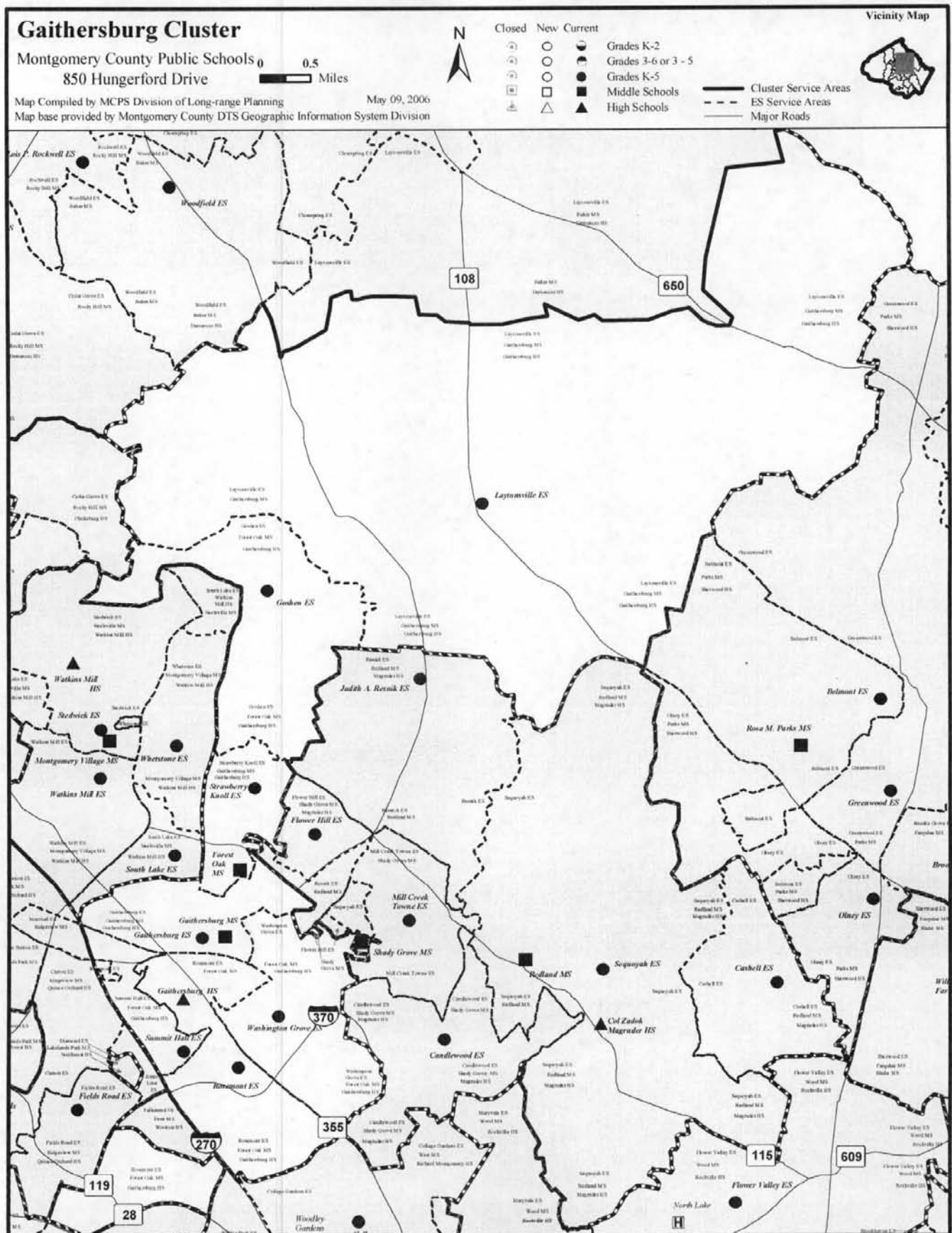
** GP elementary cluster capacity for schools without class-size reductions based on rating all K rooms at 22, and all other elementary rooms for Grades 1–5 at 23:1.

** GP elementary cluster capacity for schools with class-size reductions based on rating all K rooms at 15:1, elementary rooms for Grades 1–2 at 17:1, and elementary rooms for Grades 3–5 at 23:1.

** GP secondary school capacity for Grades 6–12 based on rating all rooms at 22.5:1.

Enrollment projections by Montgomery County Public Schools, November 2005.

In cases where elementary or middle schools articulate to more than one high school, enrollments and capacities are allocated proportionately to clusters.



CLUSTER PLANNING ISSUES

Capital Project: Restroom renovations are planned for schools in this cluster that were constructed or modernized before 1985 and did not have planning or construction funds approved in the Amended FY 2005–2010 CIP. Schools that will receive an addition project will have the improvements completed at the same time. Please see Appendix W for the list of schools not scheduled for an addition or modernization project that are approved to receive restroom renovations.

Planning Issue: Although enrollment growth is slowing across the county, revised enrollment projections continue to indicate that four high schools in the central part of the county will not have adequate site sizes or core facilities to accommodate projected enrollment at those schools. The four schools in need of facility relief are Gaithersburg, Northwest, Quince Orchard, and Thomas S. Wootton high schools. A New Central Area High School is being considered to provide relief to these four facilities. Enrollment trends at all central area high schools will continue to be monitored closely. Other schools in the central part of the county may need to be included in the formation of a New Central Area High School. A site selection committee will convene in spring 2006 to develop a recommendation for a site for a New Central Area High School.

Planning Issue: A program initiative to provide full-day kindergarten and reduced class-sizes in Grades K–2 was introduced in the 2000–2001 school year in schools with the largest number of students affected by poverty and language deficiency. Gaithersburg, Rosemont, Strawberry Knoll, Summit Hall, and Washington Grove elementary schools receive staffing to reduce class sizes in Grades K–2. Relocatable classrooms are being used to accommodate these initiatives where necessary. At schools with construction projects, classroom additions are being designed as add-alternates to accommodate the additional staffing.

Planning Issue: The Shady Grove Sector Plan in the Gaithersburg Cluster will increase the housing density around the Shady Grove METRO station. The number of units approved will generate enough students to support a new elementary school. An elementary school site needs to be acquired either by dedication or purchase. Depending on the outcome of dedication discussions, funds may need to be requested in the Land Acquisition Project to purchase a site in the Shady Grove area.

SCHOOLS

Gaithersburg High School

Utilization: Projected enrollment at Gaithersburg High School will exceed capacity throughout the six-year period. A 16-classroom addition is needed to accommodate the enrollment increases. Relocatable classrooms will be utilized until an addition is constructed.

Capital Project: An FY 2006 appropriation was approved in the Amended FY 2005–2010 CIP for construction of the addition. The completion date for this addition is scheduled for August 2006.

Capital Project: A modernization project is scheduled for this school with a completion date of August 2012 for the facility and August 2013 for the site work. In order for the latest code information, program requirements, and enrollment projections to be included in feasibility studies and architectural designs for future modernization projects, planning expenditures are programmed in close proximity to the recommended construction schedule for those projects. FY 2009 expenditures for planning were approved in the Amended FY 2005–2010 CIP to begin the architectural design of the modernization. In order for this modernization to be completed on schedule, county and state funding must be provided at the levels approved in this CIP.

Gaithersburg Elementary School

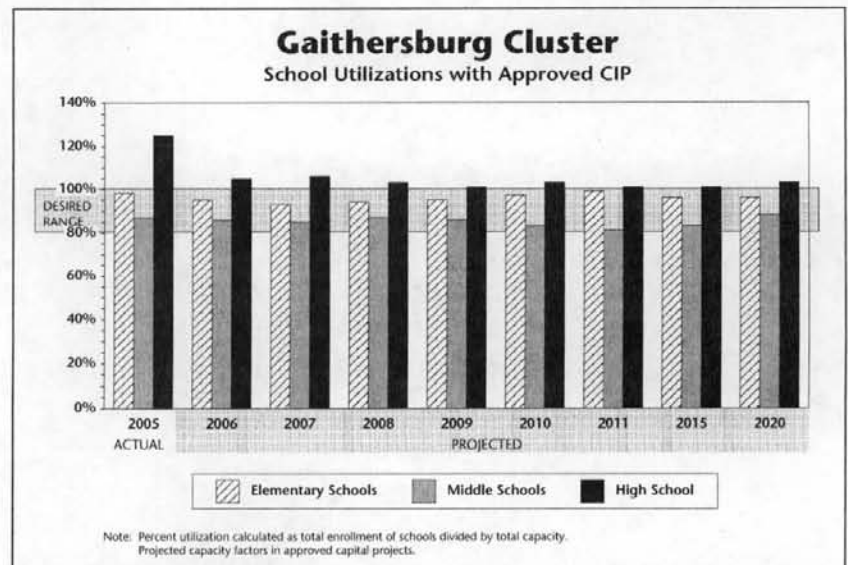
Capital Project: A 15-classroom addition was recently completed at Gaithersburg Elementary School. As part of the classroom addition project, a School-based Health Center was constructed at Gaithersburg Elementary School and opened in August 2005.

Rosemont Elementary School

Capital Project: A 16-classroom addition and gymnasium was completed at Rosemont Elementary School during the 2005–2006 school year.

Summit Hall Elementary School

Capital Project: An FY 2006 appropriation was approved in the Department of Health and Human Services (HHS) Capital Budget to conduct a feasibility study for a School-based Health Center at this school to determine the scope and cost for the



GAITHERSBURG CLUSTER

project. FY 2007 appropriation for planning funds was approved in the HHS budget to begin the architectural design for the SBHC. The SBHC is scheduled to open in August 2008.

Washington Grove Elementary School

Utilization: Projections indicate enrollment at Washington Grove Elementary School will exceed capacity by at least four classrooms by the end of the six-year period. Relocatable classrooms will be utilized until additional capacity can be added.

Capital Project: An FY 2007 appropriation for planning is approved to begin the architectural design for a 12-classroom addition. The addition project is scheduled to be completed in August 2008. In order for this project to be completed on schedule, county and state funding must be provided at the levels approved in this CIP.

CAPITAL PROJECTS

School	Project	Project Status	Date of Completion
Gaithersburg HS	16-classroom addition	Approved	Aug. 2006
	Modernization	Approved	Aug. 2012
	Site work	Approved	Aug. 2013
Gaithersburg ES	15-classroom addition	Approved	SY 2005-2006
Rosemont ES	16-classroom addition	Approved	SY 2005-2006
	Gymnasium	Approved	SY 2005-2006
Washington Grove ES	12-classroom addition	Approved	Aug. 2008

GAITHERSBURG CLUSTER

Projected Enrollment and Space Availability Effects of Adopted FY 2007–2012 CIP and Non-CIP Actions on Space Available

Schools			Actual	Projections							
			05–06	06–07	07–08	08–09	09–10	10–11	11–12	2015	2020
Gaithersburg HS	Program Capacity		1800	2143	2143	2143	2143	2143	2143	2143	2143
	Enrollment		2247	2239	2262	2185	2138	2181	2152	2150	2200
	Available Space		(447)	(96)	(119)	(42)	5	(38)	(9)	(7)	(57)
	Comments			+1 SCB +16 Rooms Addition		Planning For Replacement		Replacement of School in Progress			
Forest Oak MS	Program Capacity		959	942	942	942	942	942	942	942	942
	Enrollment		871	891	873	909	921	912	885	900	950
	Available Space		88	51	69	33	21	30	57	42	(8)
	Comments			+1 SCB							
Gaithersburg MS	Program Capacity		941	924	924	924	924	924	924	924	924
	Enrollment		776	765	721	719	675	641	632	650	700
	Available Space		165	159	203	205	249	283	292	274	224
	Comments			+1 AUT							
Gaithersburg ES	Program Capacity	CSR	757	723	723	757	757	757	757		
	Enrollment		463	480	465	458	481	503	530		
	Available Space		294	243	258	299	276	254	227		
	Comments		+15 Rms +SBHC	+2 AUT		-2AUT					
Goshen ES	Program Capacity		644	644	644	644	644	644	644		
	Enrollment		646	635	618	597	583	595	602		
	Available Space		(2)	9	26	47	61	49	42		
	Comments										
Laytonsville ES	Program Capacity		497	497	497	497	497	497	497		
	Enrollment		501	512	478	474	493	508	508		
	Available Space		(4)	(15)	19	23	4	(11)	(11)		
	Comments		+ FDK + HSM								
Rosemont ES	Program Capacity	CSR	676	676	676	676	676	676	676		
	Enrollment		470	485	512	539	539	529	540		
	Available Space		206	191	164	137	137	147	136		
	Comments		+16 Rooms + Gym + HSM								
Strawberry Knoll ES	Program Capacity	CSR	498	498	498	498	498	498	498		
	Enrollment		547	533	520	534	548	564	585		
	Available Space		(49)	(35)	(22)	(36)	(50)	(66)	(87)		
	Comments		+ HSM								
Summit Hall ES	Program Capacity	CSR	443	443	443	443	443	443	443		
	Enrollment		521	521	501	499	508	505	510		
	Available Space		(78)	(78)	(58)	(56)	(65)	(62)	(67)		
	Comments		+ HSM	Planning for SBHC							
Washington Grove ES	Program Capacity	CSR	263	263	263	525	525	525	525		
	Enrollment		381	405	386	392	386	410	425		
	Available Space		(118)	(142)	(123)	133	139	115	100		
	Comments		+ HSM	Planning For Add.		+14 Rooms					
Cluster Information	HS Utilization		125%	104%	106%	102%	100%	102%	100%	100%	103%
	HS Enrollment		2247	2239	2262	2185	2138	2181	2152	2150	2200
	MS Utilization		87%	89%	85%	87%	86%	83%	81%	83%	88%
	MS Enrollment		1647	1656	1594	1628	1596	1553	1517	1550	1650
	ES Utilization		93%	95%	93%	87%	88%	90%	92%	95%	95%
	ES Enrollment		3529	3571	3480	3493	3538	3614	3700	3800	3800

GAITHERSBURG CLUSTER

Demographic Characteristics of Schools

Schools	2005-2006								2004-2005
	Total Enrollment	African-American %	American Indian %	Asian-American %	Hispanic %	White %	FARMS%**	ESOL%**	Mobility Rate%***
Gaithersburg HS	2247	27.3%	0.2%	9.8%	26.9%	35.8%	23.1%	9.7%	17.7%
Forest Oak MS	871	26.5%	0.0%	10.1%	36.4%	27.0%	42.4%	8.7%	20.3%
Gaithersburg MS	776	25.5%	0.4%	12.5%	23.8%	37.8%	33.1%	5.5%	17.5%
Gaithersburg ES	463	31.3%	0.2%	4.8%	52.9%	10.8%	64.3%	27.7%	43.6%
Goshen ES	646	22.8%	0.2%	17.0%	19.5%	40.6%	23.4%	15.9%	13.4%
Laytonsville ES	501	14.6%	0.4%	14.0%	6.0%	65.1%	15.2%	4.2%	8.0%
Rosemont ES	470	19.4%	0.6%	11.5%	51.5%	17.0%	58.9%	36.6%	29.0%
Strawberry Knoll ES	547	29.6%	0.0%	13.7%	28.9%	27.8%	36.6%	16.3%	16.2%
Summit Hall ES	521	27.4%	0.2%	5.8%	55.9%	10.7%	66.6%	31.9%	39.0%
Washington Grove ES	381	19.9%	0.3%	12.6%	44.9%	22.3%	55.1%	33.1%	29.9%
Elementary Cluster Total	3529	23.7%	0.3%	11.6%	35.8%	28.6%	44.2%	22.8%	25.6%
Elementary County Total	62652	22.6%	0.3%	14.8%	21.3%	41.0%	31.5%	14.8%	17.2%

*Percent of students approved for Free and Reduced-priced Meals Program (FARMS).

**Percent of English for Speakers of Other Languages (ESOL). High School ESOL students are served in regional ESOL centers.

***Mobility Rate is the number of entries plus withdrawals during the 2004-2005 school year compared to total enrollment.

Program Capacity and Room Use Table

(School Year 2005-2006)

Schools	Grades Served	Capacity (Sec. @90%)	Total Rooms	Support Rooms	Reg. Sec. @25	Reg. Elem. @23	CSR Grades 1-2 @17	Pre-K @20	Pre-K @40	HS @20	CSR KINDA @15	KINDA @22	KINDH @44	ESOL @15	METS @15	SEC LAD @15	ELEM LAD @13	ELC @10	LANG @12	LFI @10	SCB @6	ACC @7	AUT @6	BRIDGE @10	DHOH @7	EC @10	ED @10	EXTENSIONS @6	LD/IGT @13	MR @6	PD @7	PEP @18	SLC @10	VISION (Elementary) @7	VISION (Secondary) @6	Administrative Users
Gaithersburg HS	9-12	1800	88	71										6	5			2					4													
Forest Oak MS	6-8	959	46	39										2	3			1	1																	
Gaithersburg MS	6-8	941	51	37											1	4							1	4												4
Gaithersburg ES	pre-K-5	757	42	4		22	8		1		5																									
Goshen ES	K-5	644	34	4		22							4				2		2																	
Laytonsville ES	K-5	497	28	4		17							4							2		1														
Rosemont ES	pre-K-5	676	36	3		17	10		1		5																									
Strawberry Knoll ES	pre-K-5	498	32	4		7	9	1		1	4											2										4				
Summit Hall ES	pre-K-5	443	28	5		6	10		1	1	5																									
Washington Grove ES	pre-K-5	263	21	6		7		1	1	3						3																				

GAITHERSBURG CLUSTER

Facility Characteristics of Schools 2005–2006

Schools	Year Opened	Year Ren./ Mod.	Total Square Feet	Site Size Acres	Adjacent Park	FACT Assess. Score	Child Care				Reloc. Class. 2005–06	Link. To Learn. Prgm.	Elem. Gym
							Joint Use	Shared Space	County Owned	Private Mod.			
Gaithersburg HS	1951	1978	280,688	39		1214					13		
Forest Oak MS	1999		132,259	41.2							2	Yes	
Gaithersburg MS	1960	1988	157,694	24.2				Yes				Yes	
Gaithersburg ES	1947	2005	94,468	9.2		TBD	Yes	Yes			8	Yes	Yes
Goshen ES	1988		76,740	10.5				Yes			3		Yes
Laytonsville ES	1951	1989	64,160	10.9				Yes			1		Yes
Rosemont ES	1965	2005	88,764	8.9			Yes	Yes			1	Yes	Yes
Strawberry Knoll ES	1988		78,723	10.8							5		Yes
Summit Hall ES	1971		64,618	10.2	Yes	TBD	Yes	Yes			6	Yes	Yes
Washington Grove ES	1956	1984	50,526	10.7		TBD					9	Yes	Yes

Northwest Cluster

Montgomery County Public Schools
850 Hungerford Drive

0.5
Miles

Map Compiled by MCPS Division of Long-range Planning
Map base provided by Montgomery County DTS Geographic Information System Division

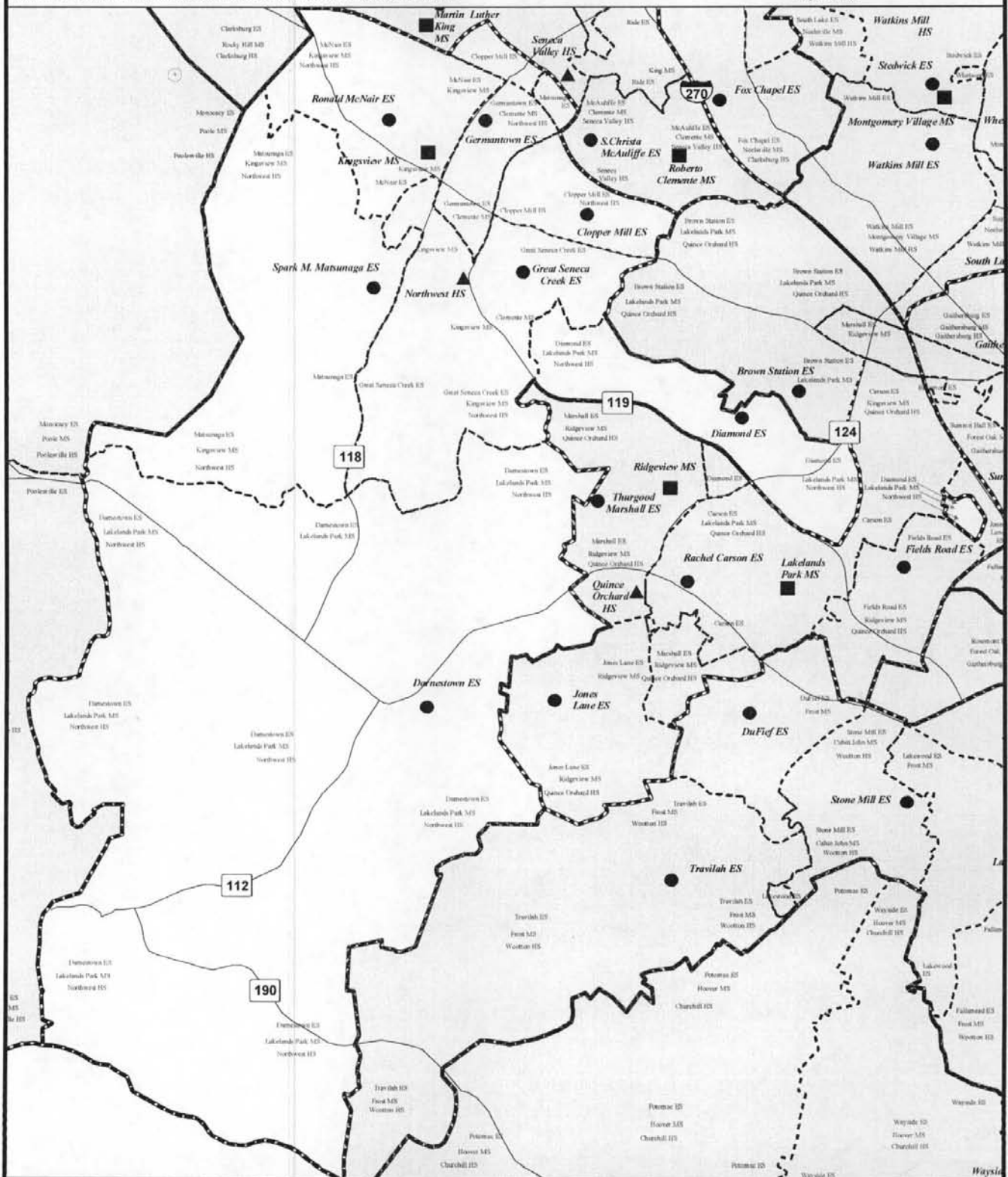


Closed	New	Current	
○	○	○	Grades K-2
○	○	○	Grades 3-6 or 3 - 5
○	○	○	Grades K-5
□	□	□	Middle Schools
△	△	△	High Schools

Vicinity Map



Cluster Service Areas
ES Service Areas
Major Roads



NORTHWEST CLUSTER

CLUSTER PLANNING ISSUES

Capital Project: Restroom renovations are planned for schools in this cluster that were constructed or modernized before 1985 and did not have planning or construction funds approved in the Amended FY 2005–2010 CIP. Schools that will receive an addition project will have the improvements completed at the same time. Please see Appendix W for the list of schools not scheduled for an addition or modernization project that are approved to receive restroom renovations.

Planning Issue: Although enrollment growth is slowing across the county, revised enrollment projections continue to indicate that four high schools in the central part of the county will not have adequate site sizes or core facilities to accommodate projected enrollment at those schools. The four schools in need of facility relief are Gaithersburg, Northwest, Quince Orchard, and Thomas S. Wootton high schools. A New Central Area High School is being considered to provide relief to these four facilities. Enrollment trends at all central area high schools will continue to be monitored closely. Other schools in the central part of the county may need to be included in the formation of a New Central Area High School. A site selection committee will convene in spring 2006 to develop a recommendation for a site for a New Central Area High School.

Planning Issue: A program initiative to provide full-day kindergarten and reduced class sizes in Grades K–2 was introduced in the 2000–2001 school year in schools with the largest number of students affected by poverty and language deficiency. Clopper Mill Elementary School receives staffing to reduce class sizes in Grades K–2. Relocatable classrooms are being used to accommodate these initiatives, where necessary.

Utilization: The opening of Great Seneca Creek Elementary School in August 2006 will provide relief for Clopper Mill, Germantown, and Spark M. Matsunaga elementary schools. At the high school level, a 30-classroom addition scheduled for completion by August 2006 will provide relief for Northwest High School. Lakelands Park Middle School in the Quince Orchard cluster opened in August 2005 and has relieved the overutilization at Kingsview Middle School.

Special and Alternative Programs: Students who reside in the Northwest Cluster, who historically would have attended a Learning and Academic Disabilities or Language program, are now served in an elementary “Home School Model” program. These students receive instruc-

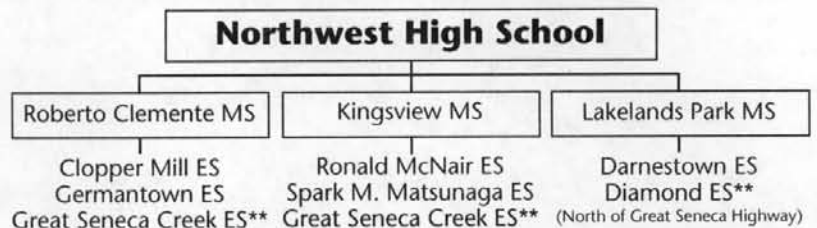
tion in the general education curriculum in classrooms with non-special education students and receive differentiated instruction to accommodate their specific learning needs. Some of the students may receive instruction in the Fundamental Life Skills curriculum, as appropriate. Related services are integrated into regular classroom settings and other school environments.

SCHOOLS

Northwest High School

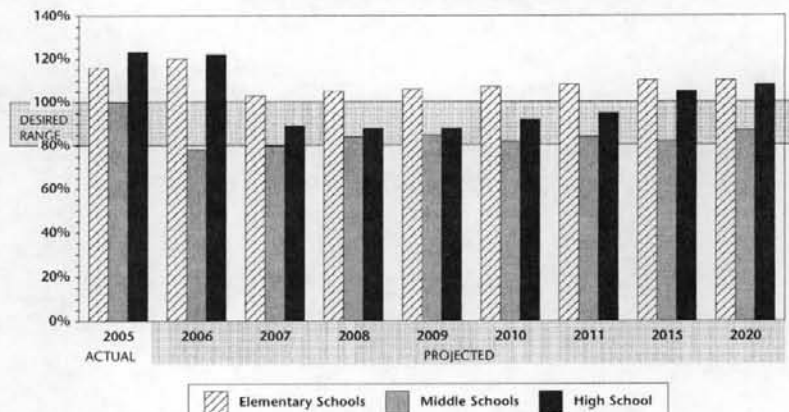
Utilization: Projected enrollment continues to increase at Northwest High School. A ten-classroom addition opened in August 2001. A 30-classroom addition is scheduled for completion in August 2006.

Northwest Cluster Articulation*



- * “Cluster” is defined as the collection of elementary schools that articulate to the same high school.
- * S. Christa McAuliffe and Sally K. Ride elementary schools (south of Middlebrook Road) also articulate to Roberto Clemente Middle School, but thereafter articulate to Seneca Valley High School.
- * Brown Station and Rachel Carson elementary schools also articulate to Lakelands Park Middle School but thereafter articulate to Quince Orchard High School.
- ** Diamond Elementary School (south of Great Seneca Highway) also articulates to Ridgeview Middle School and to Quince Orchard High School.
- ** A portion of Great Seneca Creek Elementary School articulates to Roberto Clemente Middle School and another portion to Kingsview Middle School.

Northwest Cluster School Utilizations with Approved CIP



Note: Percent utilization calculated as total enrollment of schools divided by total capacity. Projected capacity factors in approved capital projects.

NORTHWEST CLUSTER

Capital Project: An FY 2006 appropriation was approved in the Amended FY 2005–2010 CIP for construction to construct the addition that is scheduled for completion in August 2006.

Clopper Mill Elementary School

Non-Capital Action: As part of the boundary study process for Great Seneca Creek Elementary School, a boundary advisory committee was convened during the spring 2005 to evaluate boundary options for the new school. The committee was composed of representatives from the Clopper Mill, Germantown, Spark M. Matsunaga, and Ronald McNair elementary school service areas. The Board of Education acted on boundaries on November 17, 2005. Boundary changes will be implemented in August 2006.

Darnestown Elementary School

Utilization: Projections indicate enrollment at Darnestown Elementary School will exceed capacity by at least four classrooms by the end of the six-year period. The actual enrollment will be monitored annually to determine the timing for requesting funding for a permanent addition. Relocatable classrooms will be utilized until additional capacity can be added.

Capital Project: FY 2009 expenditures are programmed for facility planning to determine the feasibility, scope, and cost for a classroom addition. A date for the addition will be considered in a future CIP.

Germantown Elementary School

Non-Capital Action: As part of the boundary study process for Great Seneca Creek Elementary School, a boundary advisory committee was convened during the spring 2005 to evaluate boundary options for the new school. The committee was composed of representatives from the Clopper Mill, Germantown, Spark M. Matsunaga, and Ronald McNair elementary school service areas. The Board of Education acted on boundaries on November 17, 2005. Boundary changes will be implemented in August 2006.

Great Seneca Creek Elementary School

Capital Project: A new elementary school is needed in the Northwest Cluster to relieve Clopper Mill, Germantown and Spark M. Matsunaga elementary schools.

Capital Project: Construction is underway for the new school and a gymnasium with completion scheduled for August 2006.

Non-Capital Action: As part of the boundary study process for Great Seneca Creek Elementary School, a boundary advisory committee was convened during the spring 2005 to evaluate boundary options for the school. The committee was composed of representatives from the Clopper Mill, Germantown, Spark M. Matsunaga, and Ronald McNair elementary school service areas. The Board of Education acted on the boundaries on November 17, 2005. Boundary changes will be implemented in August 2006.

Spark M. Matsunaga Elementary School

Non-Capital Action: As part of the boundary study process for Great Seneca Creek Elementary School, a boundary advisory committee was convened during the spring 2005 to evaluate boundary options for the new school. The committee was composed of representatives from the Clopper Mill, Germantown, Spark M. Matsunaga, and Ronald McNair elementary school service areas. The Board of Education acted on boundaries on November 17, 2005. Boundary changes will be implemented in August 2006.

Ronald McNair Elementary School

Non-Capital Action: As part of the boundary study process for Great Seneca Creek Elementary School, a boundary advisory committee was convened during the spring 2005 to evaluate boundary options for the new school. The committee was composed of representatives from the Clopper Mill, Germantown, Spark M. Matsunaga, and Ronald McNair elementary school service areas. The Board of Education acted on boundaries on November 17, 2005. Boundary changes will be implemented in August 2006.

CAPITAL PROJECTS

School	Project	Project Status	Date of Completion
Northwest HS	30-classroom addition	Approved	Aug. 2006
Darnestown ES	Addition	Proposed	TBD
Great Seneca Creek ES	New school	Approved	Aug. 2006
	Gymnasium	Approved	Aug. 2006

NORTHWEST CLUSTER

Projected Enrollment and Space Availability Effects of Adopted FY 2007–2012 CIP and Non-CIP Actions on Space Available

Schools		Actual 05-06	Projections							
			06-07	07-08	08-09	09-10	10-11	11-12	2015	2020
Northwest HS	Program Capacity	1566	2228	2228	2228	2228	2228	2228	2228	2228
	Enrollment	1962	2075	2075	2099	2165	2216	2279	2350	2400
	Available Space	(396)	152	152	128	62	12	(52)	(122)	(172)
	Comments	+30 Rooms +1 ED								
Roberto Clemente MS	Program Capacity	1230	1230	1230	1230	1230	1230	1230	1230	1230
	Enrollment	1132	1111	1097	1101	1101	1123	1083	1100	1150
	Available Space	98	119	133	129	129	107	147	130	80
	Comments									
Kingsview MS	Program Capacity	1012	1012	1012	1012	1012	1012	1012	1012	1012
	Enrollment	938	812	861	894	932	951	965	950	1000
	Available Space	74	200	152	118	80	62	48	62	12
	Comments	Boundary Change								
Lakelands Park MS	Program Capacity	1120	1137	1137	1137	1137	1137	1137	1137	1137
	Enrollment	541	800	786	800	766	789	833	850	900
	Available Space	579	337	351	337	371	348	304	287	237
	Comments	Opens -1 Extensions +2 LAD, +2 SCB +2 Extensions								
Clopper Mill ES	CSR	Program Capacity	449	415	415	449	449	449	449	
	Enrollment	469	454	450	438	459	468	474		
	Available Space	(20)	(39)	(35)	11	(10)	(19)	(25)		
	Comments	+1 AUT	+2 AUT Boundary Change	-2 AUT						
Darnestown ES	Program Capacity	318	274	274	274	274	274	274		
	Enrollment	418	396	378	383	386	386	383		
	Available Space	(100)	(122)	(104)	(109)	(112)	(112)	(109)		
	Comments		+FDK	Facility Planning For Add.						
Diamond ES	Program Capacity	511	511	511	511	511	511	511		
	Enrollment	405	413	414	420	419	426	426		
	Available Space	106	98	97	91	92	85	85		
	Comments	+FDK								
Germantown ES	Program Capacity	291	291	291	291	291	291	291		
	Enrollment	472	342	305	301	290	286	295		
	Available Space	(181)	(51)	(14)	(10)	1	5	(4)		
	Comments		Boundary Change							
Great Seneca Creek ES	Program Capacity	0	660	660	660	660	660	660		
	Enrollment	0	542	685	690	690	695	695		
	Available Space	0	118	(25)	(30)	(30)	(35)	(35)		
	Comments	Opens, +Gym +FDK +2 ED								
Spark M. Matsunaga ES	Program Capacity	686	683	683	683	683	683	683		
	Enrollment	1152	876	753	776	777	777	776		
	Available Space	(466)	(193)	(70)	(93)	(94)	(94)	(93)		
	Comments		+FDK Boundary Change							
Ronald McNair ES	Program Capacity	646	646	646	646	646	646	646		
	Enrollment	744	758	741	733	730	730	718		
	Available Space	(98)	(112)	(95)	(87)	(84)	(84)	(72)		
	Comments									
Cluster Information	HS Utilization	125%	93%	93%	94%	97%	99%	102%	105%	108%
	HS Enrollment	1962	2075	2075	2099	2165	2216	2279	2350	2400
	MS Utilization	78%	81%	81%	83%	83%	85%	85%	86%	90%
	MS Enrollment	2611	2723	2744	2795	2799	2863	2881	2900	3050
	ES Utilization	126%	109%	107%	106%	107%	107%	107%	108%	108%
	ES Enrollment	3660	3781	3726	3741	3751	3768	3767	3800	3800

NORTHWEST CLUSTER

Demographic Characteristics of Schools

Schools	2005-2006								2004-2005
	Total Enrollment	African-American %	American Indian %	Asian-American %	Hispanic %	White %	FARMS%*	ESOL%**	Mobility Rate%***
Northwest HS	1962	28.4%	0.3%	17.0%	13.9%	40.5%	14.3%	0.4%	11.0%
Roberto Clemente MS	1132	27.9%	0.3%	20.4%	18.7%	32.7%	25.3%	3.6%	14.9%
Kingsview MS	938	23.9%	0.2%	21.7%	13.8%	40.4%	20.0%	2.2%	12.3%
Lakelands Park MS	541	17.9%	0.6%	10.9%	15.5%	55.1%	20.7%	4.8%	
Clopper Mill ES	469	37.3%	0.0%	11.9%	34.3%	16.4%	45.2%	22.4%	23.2%
Darnestown ES	418	3.6%	0.7%	9.8%	5.3%	80.6%	7.9%	3.8%	7.2%
Diamond ES	405	11.6%	0.7%	26.7%	13.6%	47.4%	17.5%	9.6%	20.2%
Germantown ES	472	34.3%	0.2%	16.1%	18.4%	30.9%	32.3%	10.0%	25.5%
Great Seneca Creek ES	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Spark M. Matsunaga ES	1152	15.7%	0.3%	36.7%	7.3%	39.9%	14.9%	5.7%	12.3%
Ronald McNair ES	744	27.8%	0.3%	21.0%	12.5%	38.4%	21.0%	11.4%	11.1%
Elementary Cluster Total	3660	21.5%	0.4%	23.5%	13.7%	40.9%	21.7%	11.0%	16.6%
Elementary County Total	62310	22.7%	0.3%	15.0%	21.9%	40.0%	31.5%	14.8%	17.9%

Great Seneca Creek Elementary School will be opening in 2006.

*Percent of students approved for Free and Reduced-priced Meals Program (FARMS).

**Percent of English for Speakers of Other Languages (ESOL). High School ESOL students are served in regional ESOL centers.

***Mobility Rate is the number of entries plus withdrawals during the 2004-2005 school year compared to total enrollment.

Program Capacity and Room Use Table

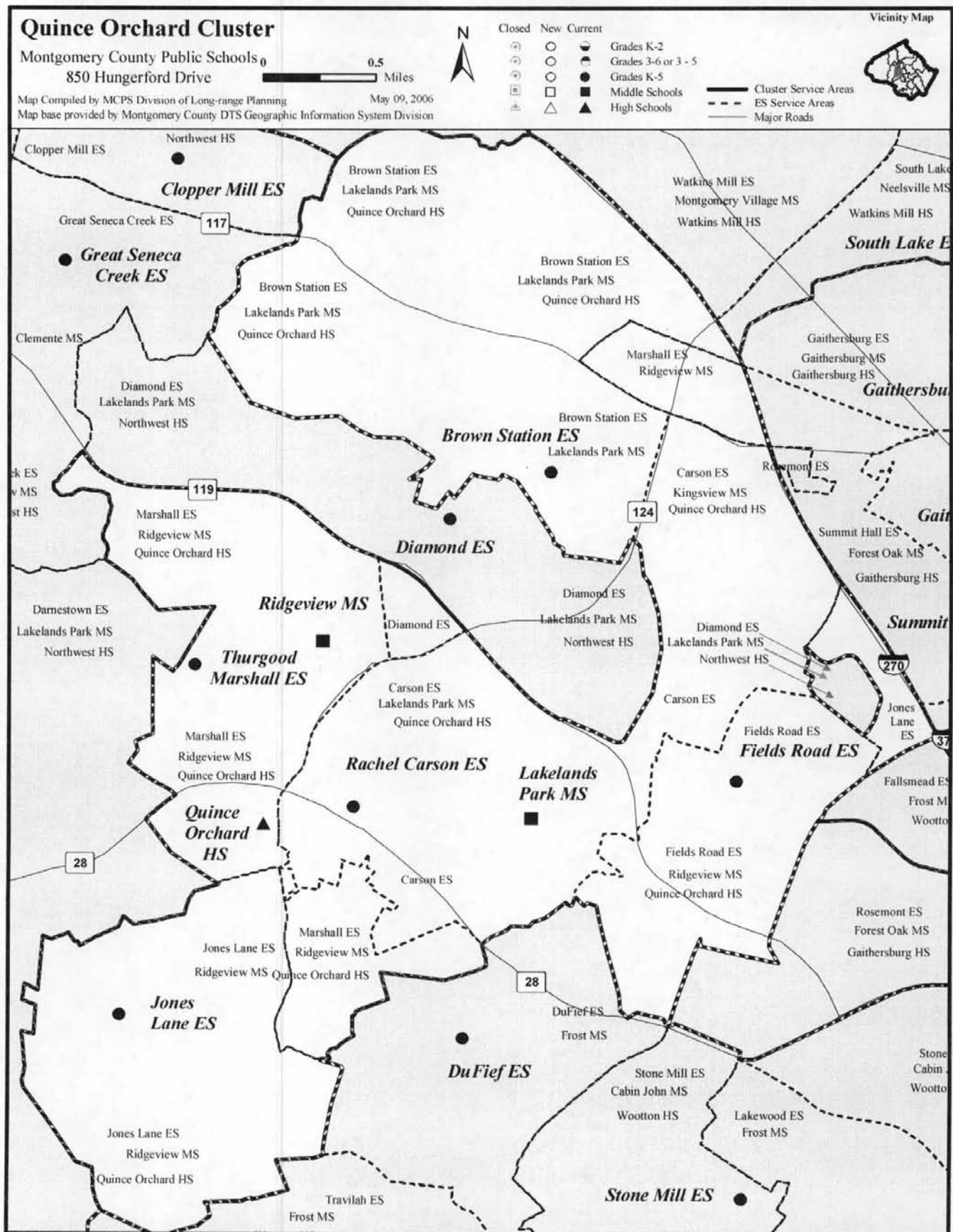
(School Year 2005-2006)

Schools	SPECIAL EDUCATION PROGRAMS																		
	Grades Served	Capacity (Sec. @90%)	Total Rooms	Support Rooms	Reg. Sec. @25	Reg. Elem. @23	CSR Grades 1-2 @17	Pre-K @20	Pre-K @40	HS @20	CSR KINDA @15	KINDA @22	KINDH @44	ESOL @15	METS @15	SEC LAD @15	ELEM LAD @13	ELC @10	LANG @12
Northwest HS	9-12	1566	72		67											3			
Roberto Clemente MS	6-8	1230	59		51									1		3		2	2
Kingsview MS	6-8	1012	47		42									1		4			
Lakelands Park MS	6-8	1120	54		47									1		2			2
Clopper Mill ES	pre-K-5	449	30	5		5	11		1	1	5							2	
Darnestown ES	K-5	318	16	4		10							2						
Diamond ES	K-5	511	29	4		18						3						3	
Germantown ES	K-5	291	19	4		9						3					3		
Spark M. Matsunaga ES	K-5	686	34	4		26						4							
Ronald McNair ES	pre-K-5	646	34	5		18		1			7					2	1		

NORTHWEST CLUSTER

Facility Characteristics of Schools 2005–2006

Schools	Year Opened	Year Ren./ Mod.	Total Square Feet	Site Size Acres	Adjacent Park	FACT Assess. Score	Child Care				Reloc. Class. 2005–06	Link. To Learn. Prgm.	Elem. Gym
							Joint Use	Shared Space	County Owned	Private Mod.			
Northwest HS	1998		275,317	34.6							10		
Roberto Clemente MS	1992		148,246	19.9									
Kingsview MS	1997		140,398	18.5									
Lakelands Park MS	2005		153,588	8.11									
Clopper Mill ES	1986		64,851	9			Yes	Yes			5		Yes
Darnestown ES	1954	1980	37,685	7.2		TBD	Yes				6		Yes
Diamond ES	1975		64,950	10	Yes	TBD	Yes	Yes					Yes
Germantown ES	1935	1978	57,668	7.8		TBD		Yes			5		Yes
Great Seneca Creek ES	2006		82,511	13.71									Yes
Spark M. Matsunaga ES	2001		90,718	12.1							17		Yes
Ronald McNair ES	1990		78,275	10				Yes			2		Yes



QUINCE ORCHARD CLUSTER

CLUSTER PLANNING ISSUES

Capital Project: Restroom renovations are planned for schools in this cluster that were constructed or modernized before 1985 and did not have planning or construction funds approved in the Amended FY 2005–2010 CIP. Schools that will receive an addition project will have the improvements completed at the same time. Please see Appendix W for the list of schools not scheduled for an addition or modernization project that are approved to receive restroom renovations.

Planning Issue: Although enrollment growth is slowing across the county, revised enrollment projections continue to indicate that four high schools in the central part of the county will not have adequate site sizes or core facilities to accommodate projected enrollment at those schools. The four schools in need of facility relief are Gaithersburg, Northwest, Quince Orchard, and Thomas S. Wootton high schools. A New Central Area High School is being considered to provide relief to these four facilities. Enrollment trends at all central area high schools will continue to be monitored closely. Other schools in the central part of the county may need to be included in the formation of a New Central Area High School. A site selection committee will convene in spring 2006 to develop a recommendation for a site for a New Central Area High School.

Planning Issue: A program initiative to provide full-day kindergarten and reduced class sizes in Grades K–2 was introduced in the 2000–2001 school year in schools with the largest number of students affected by poverty and language deficiency. Brown Station Elementary School receives staffing to reduce class sizes for Grades K–2. Relocatable classrooms are being used to accommodate these initiatives where necessary.

SCHOOLS

Ridgeview Middle School

Capital Project: Improvements to this facility are needed to enclose classrooms, create appropriate hallways, add ceilings, lighting, and to reconfigure the mechanical system. FY 2007 appropriation is approved for planning to begin the architectural design for the improvements. The scheduled completion date for the project is August 2010. In order for this project to be completed on schedule, county and state funding must be provided at the levels approved in this CIP.

Brown Station Elementary School

Capital Project: A modernization project is scheduled for this school with a completion date of August 2016. FY 2011 expenditures are pro-

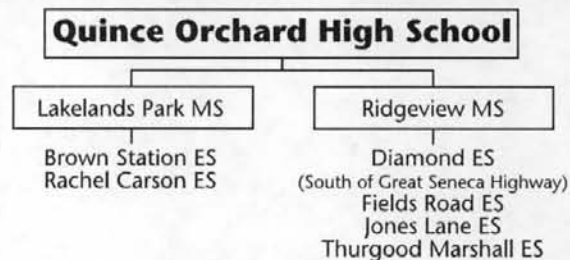
grammed for facility planning to determine the scope and cost for the modernization. In order for this project to be completed on schedule, county and state funding must be provided at the levels approved in this CIP.

Rachel Carson Elementary School

Utilization: Projections indicate enrollment at Rachel Carson Elementary School will exceed capacity by at least four classrooms by the end of the six-year period and is projected to reach almost 800 students. Additional capacity will need to be added at another school in the cluster. The actual enrollment will be monitored annually to determine the timing for requesting funding for a permanent addition. Relocatable classrooms will be utilized until an additional capacity can be added at another school in the cluster.

Capital Project: FY 2009 expenditures are programmed for facility planning to determine the feasibility, scope, and cost for a classroom addition. A date for the addition will be considered in a future CIP.

Quince Orchard Cluster Articulation*

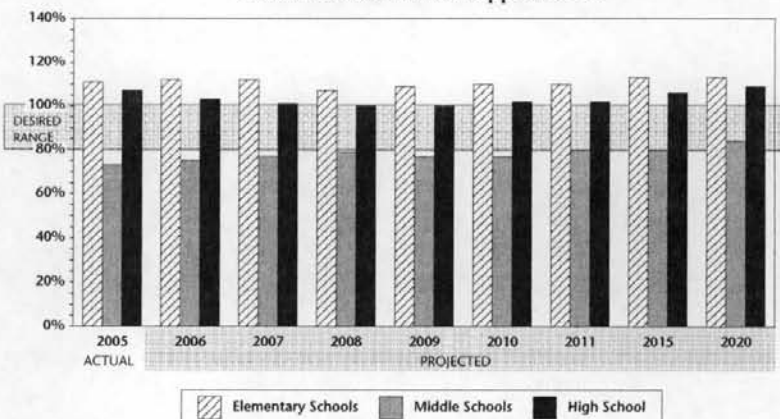


*"Cluster" is defined as the collection of elementary schools that articulate to the same high school.

*Diamond (north of Great Seneca Highway) and Darnestown elementary schools also articulate to Lakelands Park Middle School, but thereafter to Northwest High School.

Quince Orchard Cluster

School Utilizations with Approved CIP



Note: Percent utilization calculated as total enrollment of schools divided by total capacity. Projected capacity factors in approved capital projects.

QUINCE ORCHARD CLUSTER

Fields Road Elementary School

Utilization: Projections indicate Fields Road Elementary School enrollment will exceed capacity by at least four classrooms throughout the six-year CIP period. Relocatable classrooms will continue to be utilized until a nine-classroom addition is constructed.

Capital Project: A classroom addition is planned for Fields Road Elementary School to accommodate its projected enrollment. An FY 2007 appropriation is approved for construction to construct the addition. The scheduled completion date for the addition is August 2008. In order for this addition to be completed on schedule, county and state funding must be provided at the levels approved in this CIP.

Thurgood Marshall Elementary School

Capital Project: An FY 2007 appropriation is approved for construction of a gymnasium. The scheduled completion date for this gymnasium is August 2007. In order for this gymnasium to be completed on schedule, county funding must be provided at the levels approved in this CIP.

CAPITAL PROJECTS

School	Project	Project Status	Date of Completion
Ridgeview MS	Facility improvements	Approved	Aug. 2010
Brown Station ES	Modernization	Approved	Aug. 2016
Rachel Carson ES (capacity study)	Addition	Proposed TBD	
Fields Road ES	10-classroom addition	Approved	Aug. 2008
Thurgood Marshall ES	Gymnasium	Approved	Aug. 2007

QUINCE ORCHARD CLUSTER

Projected Enrollment and Space Availability

Effects of Adopted FY 2007–2012 CIP and Non-CIP Actions on Space Available

Schools			Actual	Projections							
			05–06	06–07	07–08	08–09	09–10	10–11	11–12	2015	2020
Quince Orchard HS	Program Capacity	1799	1809	1822	1822	1822	1822	1822	1822	1822	1822
	Enrollment	1910	1894	1811	1802	1800	1825	1840	1900	1950	
	Available Space	(111)	(85)	12	20	22	(2)	(18)	(78)	(128)	
	Comments	+1 Extensions -2 ED		-1 LFI							
Lakelands Park MS	Program Capacity	1120	1137	1137	1137	1137	1137	1137	1137	1137	
	Enrollment	541	800	786	800	766	789	833	850	900	
	Available Space	579	337	351	337	371	348	304	287	237	
	Comments	Opens +2 LAD, +2 SCB +2 Extensions	-1 Extensions								
Ridgeview MS	Program Capacity	1048	1048	1048	1048	1048	1048	1048	1048	1048	
	Enrollment	845	766	808	803	763	718	732	750	800	
	Available Space	204	282	240	246	286	330	316	298	248	
	Comments	SCB, -1 LFI Boundary Change	Planning For Improvements				Facility Improvements Complete				
Brown Station ES	CSR	Program Capacity	410	410	410	410	410	410	410		
		Enrollment	414	413	432	439	457	469	475		
		Available Space	(4)	(3)	(22)	(29)	(47)	(59)	(65)		
		Comments	-1 SCB +1 LFI					Facility Planning For Mod.			
Rachel Carson ES	Program Capacity	649	649	649	649	649	649	649			
	Enrollment	726	731	740	765	772	776	779			
	Available Space	(77)	(82)	(91)	(116)	(123)	(127)	(130)			
	Comments	-1 pre-K			Capacity Study (see text)						
Fields Road ES	Program Capacity	338	338	338	580	580	580	580			
	Enrollment	492	493	493	504	509	520	525			
	Available Space	(154)	(155)	(155)	76	71	60	55			
	Comments	Planning For Add.			+10 Rooms +2 pre-K AUT						
Jones Lane ES	Program Capacity	541	495	495	495	495	495	495			
	Enrollment	510	491	471	463	459	461	467			
	Available Space	31	4	24	32	36	34	28			
	Comments		+FDK								
Thurgood Marshall ES	Program Capacity	508	508	508	508	508	508	508			
	Enrollment	572	575	551	570	588	588	582			
	Available Space	(64)	(67)	(43)	(62)	(80)	(80)	(74)			
	Comments	+FDK +1 PEP		+Gym							
Cluster Information	HS Utilization	106%	105%	99%	99%	99%	100%	101%	104%	107%	
	HS Enrollment	1910	1894	1811	1802	1800	1825	1840	1900	1950	
	MS Utilization	64%	72%	73%	73%	70%	69%	72%	73%	78%	
	MS Enrollment	1386	1566	1594	1603	1529	1507	1565	1600	1700	
	ES Utilization	111%	113%	112%	104%	105%	107%	107%	110%	110%	
	ES Enrollment	2714	2703	2687	2741	2785	2814	2828	2900	2900	

QUINCE ORCHARD CLUSTER

Demographic Characteristics of Schools

Schools	2005-2006								2004-2005
	Total Enrollment	African-American %	American Indian %	Asian-American %	Hispanic %	White %	FARMS%*	ESOL%**	Mobility Rate%***
Quince Orchard HS	1910	17.6%	0.3%	15.7%	15.1%	51.3%	14.8%	6.6%	14.2%
Lakelands Park MS	541	17.9%	0.6%	10.9%	15.5%	55.1%	20.7%	4.8%	
Ridgeview MS	845	14.7%	0.2%	16.0%	17.4%	51.7%	22.0%	5.2%	15.0%
Brown Station ES	414	44.4%	0.0%	12.3%	25.4%	17.9%	45.9%	21.0%	30.6%
Rachel Carson ES	726	9.0%	0.3%	11.8%	13.2%	65.7%	20.0%	9.8%	11.9%
Fields Road ES	492	21.7%	0.2%	19.9%	19.1%	39.0%	26.8%	8.9%	20.0%
Jones Lane ES	510	12.4%	0.0%	14.7%	17.6%	55.3%	24.1%	7.6%	12.9%
Thurgood Marshall ES	572	18.9%	0.5%	19.6%	12.1%	49.0%	22.0%	6.8%	19.7%
Elementary Cluster Total	2714	19.4%	0.2%	15.5%	16.7%	48.1%	26.4%	10.3%	19.0%
Elementary County Total	62310	22.7%	0.3%	15.0%	21.9%	40.0%	31.5%	14.8%	17.9%

*Percent of students approved for Free and Reduced-priced Meals Program (FARMS).

**Percent of English for Speakers of Other Languages (ESOL). High School ESOL students are served in regional ESOL centers.

***Mobility Rate is the number of entries plus withdrawals during the 2004-2005 school year compared to total enrollment.

Program Capacity and Room Use Table

(School Year 2005-2006)

Program Capacity and Room Use Table (School Year 2005–2006)		SPECIAL EDUCATION PROGRAMS																																		
		School Based	Cluster Based	Quad Cluster Based	County & Regional Based																															
					SEC LAD @15	ELEM LAD @13	ELC @10	LANG @12	LFI @10	SCB @6	ACC @7	AUT @6	BRIDGE @10	DHOH @7	EC @10	ED @10	EXTENSIONS @6	LD/IGT @13	MR @6	PD @7	PEP @18	SLC @10	VISION (Elementary) @7	VISION (Secondary) @6	Administrative Users											
Schools	Grades Served	Capacity (Sec. @90%)	Total Rooms	Support Rooms	Reg. Sec. @25	Reg. Elem. @23	CSR Grades 1–2 @17	Pre-K @20	Pre-K @40	HS @20	CSR KINDA @15	KINDA @22	KINDH @44	ESOL @15	METS @15	SEC LAD @15	ELEM LAD @13	ELC @10	LANG @12	LFI @10	SCB @6	ACC @7	AUT @6	BRIDGE @10	DHOH @7	EC @10	ED @10	EXTENSIONS @6	LD/IGT @13	MR @6	PD @7	PEP @18	SLC @10	VISION (Elementary) @7	VISION (Secondary) @6	Administrative Users
Quince Orchard HS	9–12	1799	88		73									4	2	4			1	4							2									
Lakelands Park MS	6–8	1120	54		47									1	2						2								2							
Ridgeview MS	6–8	1048	49		44									1	2												2									
Brown Station ES	pre-K–5	410	26	5		7	7		1	1	4								1																	
Rachel Carson ES	pre-K–5	649	35	5		19			1			6						4																		
Fields Road ES	pre-K–5	338	20	5		10		1				4																								
Jones Lane ES	K–5	541	27	4		18							2				3																			
Thurgood Marshall ES	K–5	508	28	4		14						4																		2			4			

QUINCE ORCHARD CLUSTER

Facility Characteristics of Schools 2005–2006

Schools	Year Opened	Year Ren./ Mod.	Total Square Feet	Site Size Acres	Adjacent Park	FACT Assess. Score	Child Care				Reloc. Class. 2005–06	Link. To Learn. Prgm.	Elem. Gym
							Joint Use	Shared Space	County Owned	Private Mod.			
Quince Orchard HS	1988		284,912	30.1							4		
Lakelands Park MS	2005		153,588	8.11									
Ridgeview MS	1975		136,379	20		TBD		Yes					Yes
Brown Station ES	1969		58,338	9		1516		Yes					Yes
Rachel Carson ES	1990		78,547	12.4				Yes			4		Yes
Fields Road ES	1973		47,140	10		TBD		Yes			9		Yes
Jones Lane ES	1987		60,679	12.1			Yes	Yes			1		Yes
Thurgood Marshall ES	1993		73,059	12					Yes		3		

Thomas S. Wootton Cluster

Montgomery County Public Schools
850 Hungerford Drive

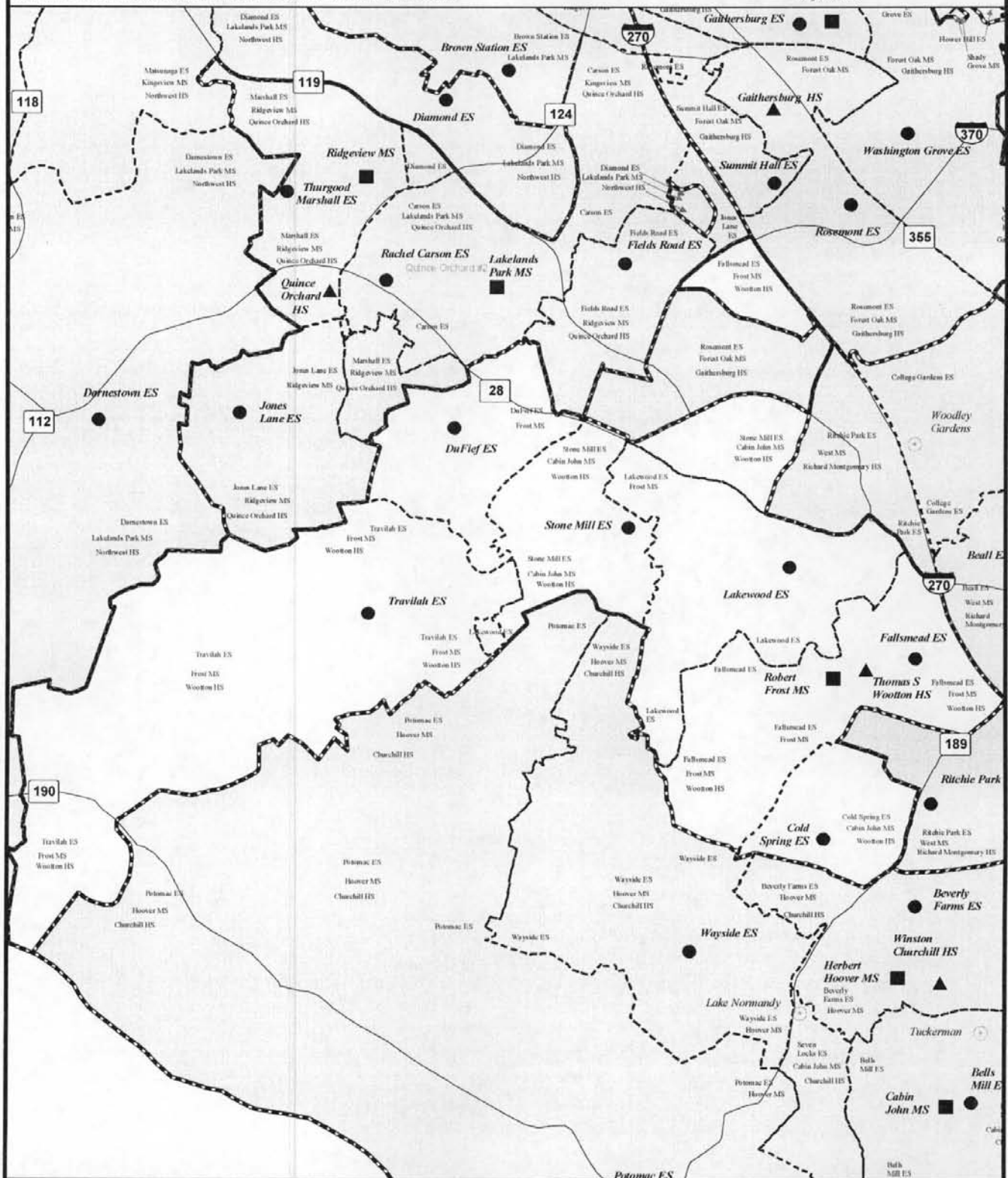
0.5
Miles

Map Compiled by MCPS Division of Long-range Planning
Map base provided by Montgomery County DTS Geographic Information System Division



Closed	New	Current	
○	○	○	Grades K-2
○	○	○	Grades 3-6 or 3-5
○	○	○	Grades K-5
□	□	□	Middle Schools
△	△	△	High Schools

Vicinity Map



CLUSTER PLANNING ISSUES

Capital Project: Restroom renovations are planned for schools in this cluster that were constructed or modernized before 1985 and did not have planning or construction funds approved in the Amended FY 2005–2010 CIP. Schools that will receive an addition project will have the improvements completed at the same time. Please see Appendix W for the list of schools not scheduled for an addition or modernization project that are approved to receive restroom renovations.

Planning Issue: Although enrollment growth is slowing across the county, revised enrollment projections continue to indicate that four high schools in the central part of the county will not have adequate site sizes or core facilities to accommodate projected enrollment at those schools. The four schools in need of facility relief are Gaithersburg, Northwest, Quince Orchard, and Thomas S. Wootton high schools. A New Central Area High School is being considered to provide relief to these four facilities. Enrollment trends at all central area high schools will continue to be monitored closely. Other schools in the central part of the county may need to be included in the formation of a New Central Area High School. A site selection committee will convene in spring 2006 to develop a recommendation for a site for a New Central Area High School.

SCHOOLS

Cabin John Middle School

Capital Project: A modernization project for this school is scheduled for completion in August 2011. An appropriation for FY 2007 facility planning is approved to determine the scope and cost of the modernization. In order for this modernization to be completed on schedule, county and state funding must be provided at the levels approved in this CIP.

Cold Spring Elementary School

Capital Project: FY 2009 expenditures are programmed for planning funds to begin the architectural design of a gymnasium. The scheduled completion date for this gymnasium is August 2010. In order for this gymnasium to be completed on schedule, county funding must be provided at the levels approved in this CIP.

Fallsmead Elementary School

Utilization: Projections indicate that enrollment at Fallsmead Elementary School will exceed capacity by at least four classrooms throughout the six-year CIP period. Relocatable classrooms will continue to be utilized until an addition is constructed.

Capital Project: An FY 2007 appropriation is approved for planning to begin the architectural design for a classroom addition. The scheduled completion date for this addition project is

August 2008. In order for this project to be completed on schedule, county and state funding must be provided at the levels approved in this CIP.

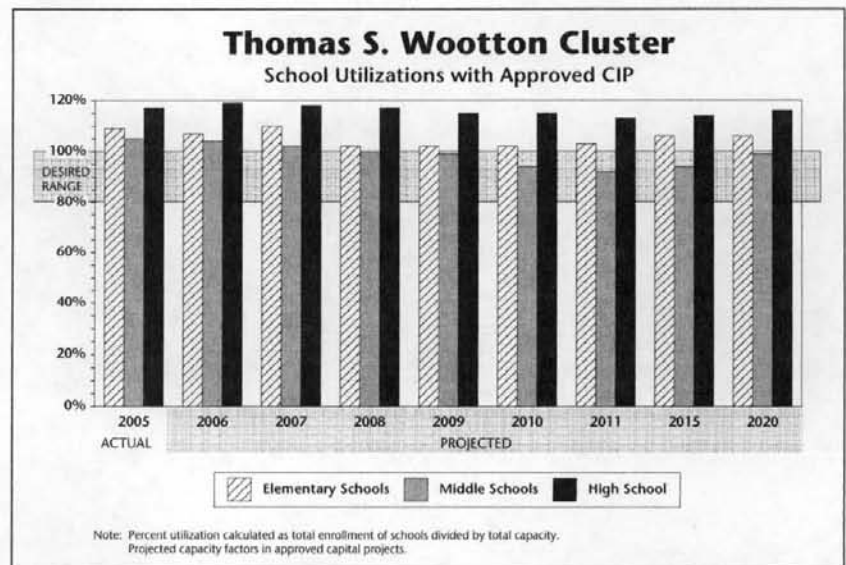
Travilah Elementary School

Utilization: Enrollment at Travilah Elementary School is projected to exceed capacity by at least four classrooms throughout the six-year CIP planning period. Relocatable classrooms will continue to be utilized until an addition is constructed.

Capital Project: An FY 2007 appropriation is approved for planning and construction to complete the architectural design and to construct the addition. The scheduled completion date for the addition project is August 2008. In order for this addition to be completed on schedule, county and state funding must be provided at the levels approved in this CIP.

CAPITAL PROJECTS

School	Project	Project Status	Date of Completion
Cabin John MS	Modernization	Approved	Aug. 2011
Cold Spring ES	Gymnasium	Approved	Aug. 2010
Fallsmead ES	6-classroom addition	Approved	Aug. 2008
Travilah ES	8-classroom addition	Approved	Aug. 2008



THOMAS S. WOOTTON CLUSTER

Projected Enrollment and Space Availability

Effects of Adopted FY 2007–2012 CIP and Non-CIP Actions on Space Available

Schools		Actual 05–06	Projections							
			06–07	07–08	08–09	09–10	10–11	11–12	2015	2020
Thomas S. Wootton HS	Program Capacity	2058	2040	2040	2040	2040	2040	2040	2040	2040
	Enrollment	2412	2382	2395	2376	2336	2341	2291	2300	2350
	Available Space	(354)	(342)	(355)	(336)	(296)	(301)	(251)	(260)	(310)
	Comments		+2 LAD							
Cabin John MS	Program Capacity	894	885	885	885	885	885	885	885	885
	Enrollment	994	946	904	875	893	844	833	850	900
	Available Space	(100)	(61)	(19)	10	(8)	41	52	35	(15)
	Comments		Facility Png For Mod. +1 LAD			@ Tilden Facility	Mod. Complete Aug. 2011			
Robert Frost MS	Program Capacity	1134	1134	1134	1134	1134	1134	1134	1134	1134
	Enrollment	1141	1153	1156	1152	1106	1062	1034	1050	1100
	Available Space	(7)	(19)	(22)	(18)	28	72	100	84	34
	Comments									
Cold Spring ES	Program Capacity	409	386	386	386	386	386	386		
	Enrollment	429	423	444	434	426	439	441		
	Available Space	(20)	(37)	(58)	(48)	(40)	(53)	(55)		
	Comments		+FDK							
Dufief ES	Program Capacity	452	407	407	407	407	407	407		
	Enrollment	476	447	424	419	415	409	407		
	Available Space	(24)	(40)	(17)	(12)	(8)	(2)	0		
	Comments		+FDK							
Fallsmead ES	Program Capacity	425	380	380	518	518	518	518		
	Enrollment	538	495	483	484	475	472	476		
	Available Space	(113)	(115)	(103)	34	43	46	42		
	Comments		+FDK Planning for Add.		+6 Rooms					
Lakewood ES	Program Capacity	630	595	595	595	595	595	595		
	Enrollment	587	573	553	557	559	555	551		
	Available Space	43	22	42	38	36	40	44		
	Comments		-1 LAD + FDK							
Stone Mill ES	Program Capacity	666	666	666	666	666	666	666		
	Enrollment	683	670	648	645	646	654	652		
	Available Space	(17)	(4)	18	21	20	12	14		
	Comments	+FDK								
Travilah ES	Program Capacity	342	342	342	524	524	524	524		
	Enrollment	459	449	451	445	451	452	466		
	Available Space	(117)	(107)	(109)	79	73	72	58		
	Comments		Planning for Add.		+8 Rooms					
Cluster Information	HS Utilization	117%	117%	117%	116%	114%	115%	112%	113%	115%
	HS Enrollment	2412	2382	2395	2376	2336	2341	2291	2300	2350
	MS Utilization	105%	104%	102%	100%	99%	94%	92%	94%	99%
	MS Enrollment	2135	2099	2060	2027	1999	1906	1867	1900	2000
	ES Utilization	108%	110%	108%	96%	96%	96%	97%	100%	100%
	ES Enrollment	3172	3057	3003	2984	2972	2981	2993	3100	3100

THOMAS S. WOOTTON CLUSTER

Demographic Characteristics of Schools

Schools	2005-2006								2004-2005
	Total Enrollment	African-American %	American Indian %	Asian-American %	Hispanic %	White %	FARMS%*	ESOL%**	Mobility Rate%***
Thomas S. Wootton HS	2412	6.0%	0.2%	34.3%	4.2%	55.3%	4.6%	2.2%	6.0%
Cabin John MS	994	8.7%	0.2%	29.0%	4.7%	57.4%	9.3%	2.2%	5.8%
Robert Frost MS	1141	4.2%	0.1%	31.0%	6.1%	58.5%	8.5%	2.5%	5.6%
Cold Spring ES	429	5.8%	0.2%	24.0%	3.7%	66.2%	5.4%	1.9%	7.0%
DuFief ES	476	3.6%	0.2%	34.7%	4.4%	57.1%	7.2%	6.9%	8.9%
Fallsmead ES	538	5.4%	0.0%	30.1%	8.6%	55.9%	11.5%	9.7%	14.4%
Lakewood ES	587	3.9%	0.0%	37.0%	3.6%	55.5%	5.3%	6.6%	7.6%
Stone Mill ES	683	9.5%	0.3%	43.2%	5.1%	41.9%	8.5%	4.0%	6.9%
Travilah ES	459	6.8%	0.2%	37.7%	3.9%	51.4%	9.8%	8.5%	8.3%
Elementary Cluster Total	3172	6.0%	0.2%	35.2%	4.9%	53.8%	8.3%	6.2%	8.9%
Elementary County Total	62310	22.7%	0.3%	15.0%	21.9%	40.0%	31.5%	14.8%	17.9%

*Percent of students approved for Free and Reduced-priced Meals Program (FARMS).

**Percent of English for Speakers of Other Languages (ESOL). High School ESOL students are served in regional ESOL centers.

***Mobility Rate is the number of entries plus withdrawals during the 2004-2005 school year compared to total enrollment.

Program Capacity and Room Use Table

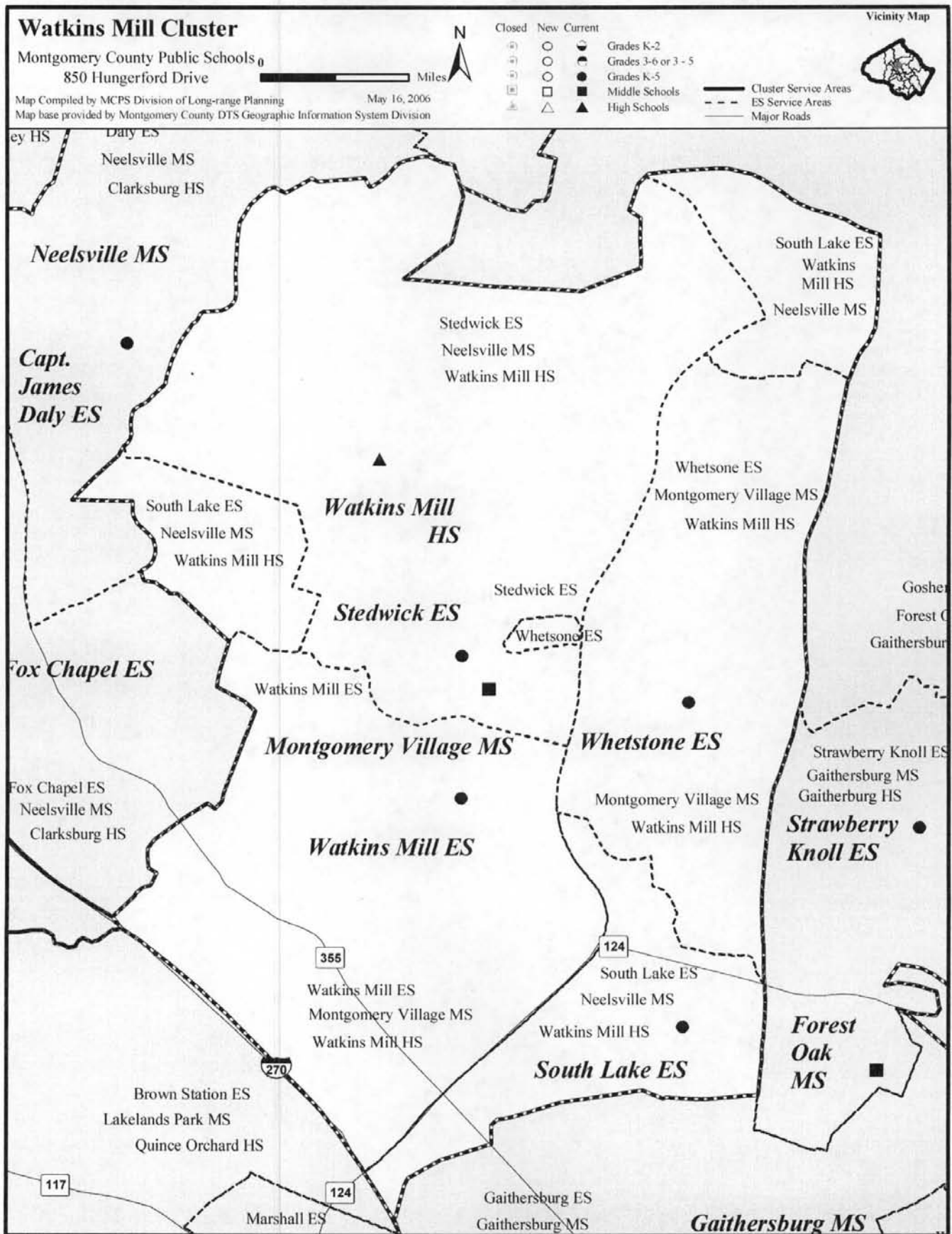
(School Year 2005-2006)

Schools	Grades Served	Capacity (Sec. @90%)	Total Rooms	Support Rooms	Reg. Sec. @25	Reg. Elem. @23	CSR Grades 1-2 @17	Pre-K @20	Pre-K @40	HS @20	CSR KINDA @15	KINDA @22	KINDH @44	ESOL @15	METS @15	SEC LAD @15	ELEM LAD @13	SPECIAL EDUCATION PROGRAMS																
																		School Based	Cluster Based	Quad Cluster Based	County & Regional Based													
Thomas S. Wootton HS	9-12	2058	97	87										2	2																			
Cabin John MS	6-8	894	45	36										1	2																			
Robert Frost MS	6-8	1134	52	48										1	3																			
Cold Spring ES	K-5	409	22	4		15							1																					
DuFief ES	K-5	452	24	4		14							2																					
Fallsmead ES	K-5	425	22	4		13							2																					
Lakewood ES	K-5	630	30	4		23							2																					
Stone Mill ES	K-5	666	34	4		22					4																					4		
Travilah ES	K-5	342	18	3		12						3																						

THOMAS S. WOOTTON CLUSTER

Facility Characteristics of Schools 2005–2006

Schools	Year Opened	Year Ren./ Mod.	Total Square Feet	Site Size Acres	Adjacent Park	FACT Assess. Score	Child Care				Reloc. Class. 2005–06	Link. To Learn. Prgm.	Elem. Gym
							Joint Use	Shared Space	County Owned	Private Mod.			
Thomas S. Wootton HS	1970		295,620	27.5		1301					8		
Cabin John MS	1967		120,788	18.2		1422					4		
Robert Frost MS	1971		143,757	24.8		TBD							
Cold Spring ES	1972		46,296	12.4		TBD	Yes				1		
DuFief ES	1975		59,013	10		TBD	Yes				3		Yes
Fallsmead ES	1974		50,850	9	Yes	TBD	Yes				4		Yes
Lakewood ES	1968	2003	77,526	13.1		1405				Yes			Yes
Stone Mill ES	1988		78,617	11.8				Yes	Yes				Yes
Travilah ES	1960	1992	50,588	9.3				Yes			7		Yes



CLUSTER PLANNING ISSUES

Capital Project: Restroom renovations are planned for schools in this cluster that were constructed or modernized before 1985 and did not have planning or construction funds approved in the Amended FY 2005–2010 CIP. Schools that will receive an addition project will have the improvements completed at the same time. Please see Appendix W for the list of schools not scheduled for an addition or modernization project that are approved to receive restroom renovations.

Planning Issue: A program initiative to provide full-day kindergarten and reduced class sizes in Grades K–2 was introduced in the 2000–2001 school year in schools with the largest number of students affected by poverty and language deficiency. All the elementary schools in the Watkins Mill Cluster receive staffing to reduce class sizes in Grades K–2. Relocatable classrooms are being used to accommodate these initiatives where necessary. At schools with construction projects, classroom additions are being designed as add-alternates to accommodate the additional staffing.

SCHOOLS

Clarksburg High School

Capital Project: An FY 2006 appropriation was approved in the Amended FY 2005–2010 CIP for construction of the new Clarksburg High School. Construction to convert the former Rocky Hill Middle School facility into the new Clarksburg High School is underway. The opening of this school is scheduled for August 2006.

Non-Capital Action: As part of the boundary study process for Clarksburg High School, a boundary advisory committee was convened during spring 2005 to evaluate boundary options for Clarksburg High School. The committee was composed of representatives from all of the elementary, middle, and high schools in the Damascus, Seneca Valley, and Watkins Mill clusters. The boundary advisory committee also evaluated middle school boundary options that addressed articulation patterns for Dr. Martin Luther King, Jr. and Neelsville middle schools. The Board of Education took action on the boundaries for the new school on November 17, 2005. The new school opens in August 2006.

Watkins Mill High School

Utilization: Enrollment at Watkins Mill High School currently exceeds capacity. The new Clarksburg High School will provide relief for overutilization at Damascus, Seneca Valley,

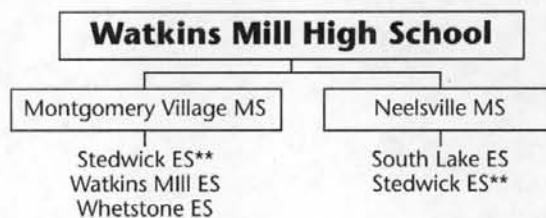
and Watkins Mill high schools when it opens. The new school is scheduled to open in August 2006.

Non-Capital Action: As part of the boundary study process for Clarksburg High School, a boundary advisory committee was convened during spring 2005 to evaluate boundary options for Clarksburg High School. The committee was composed of representatives from all of the elementary, middle, and high schools in the Damascus, Seneca Valley, and Watkins Mill clusters. The boundary advisory committee also evaluated middle school boundary options that addressed articulation patterns for Dr. Martin Luther King, Jr. and Neelsville middle schools. The Board of Education took action on the boundaries for the new school on November 17, 2005. The new high school opens in August 2006.

Neelsville Middle School

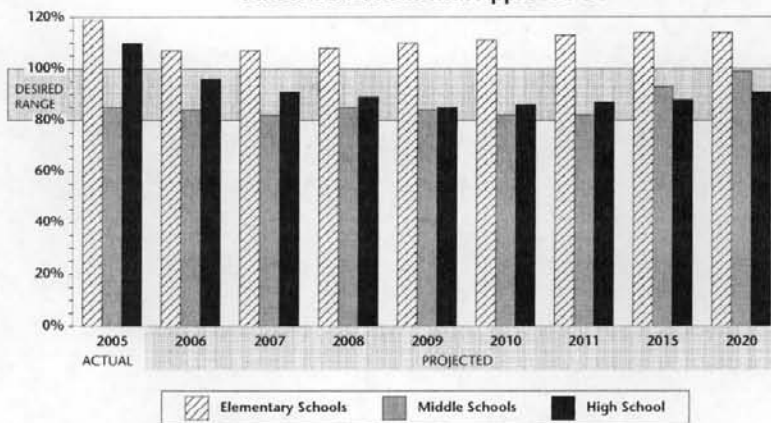
Non-Capital Action: As part of the boundary study process for Clarksburg High School, a boundary advisory committee

Watkins Mill Cluster Articulation*



- * "Cluster" is defined as the collection of elementary schools that articulate to the same high school.
- * Capt. James Daly Elementary School and Fox Chapel Elementary School also articulate to Neelsville Middle School but thereafter to Clarksburg High School.
- ** A portion of Stedwick Elementary School articulates to Montgomery Village Middle School, and another portion articulates to Neelsville Middle School.

Watkins Mill Cluster School Utilizations with Approved CIP



Note: Percent utilization calculated as total enrollment of schools divided by total capacity. Projected capacity factors in approved capital projects.

WATKINS MILL CLUSTER

was convened during spring 2005 to evaluate boundary options for Clarksburg High School. The committee was composed of representatives from all of the elementary, middle, and high schools in the Damascus, Seneca Valley, and Watkins Mill clusters. The boundary advisory committee also evaluated middle school boundary options that addressed articulation patterns for Dr. Martin Luther King, Jr. and Neelsville middle schools. The Board of Education took action on middle school boundaries on November 17, 2005. Adopted reassignments from Dr. Martin Luther King, Jr. Middle School to Neelsville Middle School begin with Grades 6 and 7 in August 2006.

Watkins Mill Middle School #2 (Replacement for Neelsville MS)

Capital Project: With the opening of Clarksburg High School, Neelsville Middle School will be shared between the Clarksburg and Watkins Mill clusters. The Neelsville Middle School facility is now within the boundary of the Clarksburg Cluster. Long-term projections for middle schools in the Clarksburg Cluster indicate that additional middle school capacity will be needed. When a new facility is built to replace Neelsville Middle School, the current Neelsville facility will completely serve students from the Clarksburg Cluster. An FY 2007 appropriation is approved for facility planning to for a feasibility study to determine the feasibility, scope, and cost for a replacement facility for Neelsville Middle School within the Watkins Mill Cluster.

South Lake Elementary School

Utilization: Enrollment at South Lake Elementary School is projected to exceed capacity throughout the six-year CIP planning period. A 12-classroom addition is needed to accommodate the growing enrollment. Relocatable classrooms will be used until the addition opens in the 2005–2006 school year.

Capital Project: Construction is underway for the classroom addition and a gymnasium. The addition project and gymnasium are scheduled to be completed during the 2005–2006 school year.

Stedwick Elementary School

Utilization: Projections indicate enrollment at Stedwick Elementary School will exceed capacity throughout the six-year CIP period. Relocatable classrooms will continue to be utilized until an addition is constructed.

Capital Project: An FY 2007 appropriation is approved for planning to begin the architectural design for the classroom addition. The addition is scheduled to be completed during the 2008–2009 school year. In order for this project to be completed on schedule, county and state funding need to be provided at the levels recommended in this CIP.

Watkins Mill Elementary School

Utilization: Enrollment at Watkins Mill Elementary School is projected to exceed capacity throughout the six-year CIP period. Relocatable classrooms will continue to be utilized until an addition is constructed.

Capital Project: An FY 2006 appropriation was approved in the Amended FY 2005–2010 CIP for construction to construct a classroom addition and gymnasium. The addition project and gymnasium are scheduled to be completed during the 2006–2007 school year.

Whetstone Elementary School

Utilization: Projections indicate enrollment at Whetstone Elementary School will exceed capacity by at least four classrooms by the end of the six-year period. Relocatable classrooms will be utilized until additional capacity can be added.

Capital Project: An FY 2007 appropriation is approved for facility planning to determine the feasibility, scope, and cost for a classroom addition. A date for the addition will be considered in a future CIP.

CAPITAL PROJECTS

School	Project	Project Status	Date of Completion
Clarksburg HS	Conversion of Rocky Hill facility	Approved	Aug. 2006
Watkins Mill MS #2	Replacement	Proposed	TBD
South Lake ES	12-classroom addition	Approved	SY 2005–2006
	Gymnasium	Approved	SY 2005–2006
Stedwick ES	12-classroom addition	Approved	SY 2008–2009
Watkins Mill ES	16-classroom addition	Approved	SY 2006–2007
	Gymnasium	Approved	SY 2006–2007
Whetstone ES	Classroom addition	Proposed	TBD

WATKINS MILL CLUSTER

Projected Enrollment and Space Availability Effects of Adopted FY 2007–2012 CIP and Non-CIP Actions on Space Available

Schools			Actual	Projections							
			05-06	06-07	07-08	08-09	09-10	10-11	11-12	2015	2020
Watkins Mill HS		Program Capacity	1863	1836	1836	1836	1836	1836	1836	1836	1836
		Enrollment	2048	1799	1715	1666	1593	1609	1631	1650	1700
		Available Space	(185)	37	121	170	243	227	205	186	136
		Comments		+2 SLC Boundary Change							
Montgomery Village MS		Program Capacity	803	803	803	803	803	803	803	803	803
		Enrollment	741	751	717	718	725	696	692	700	750
		Available Space	62	52	86	85	78	107	111	103	53
		Comments									
Neelsville MS		Program Capacity	918	918	918	918	918	918	918	918	918
		Enrollment	727	809	883	928	913	910	907	900	950
		Available Space	191	109	35	(10)	5	8	11	18	(32)
		Comments		Boundary Change							
Watkins Mill MS #2		Program Capacity	0	0	0	0	0	0	0	0	0
		Enrollment	0	0	0	0	0	0	0	0	0
		Available Space	0	0	0	0	0	0	0	0	0
		Comments		Facility Planning (see text)							
South Lake ES	CSR	Program Capacity	737	737	737	737	737	737	737		
		Enrollment	557	539	581	603	605	613	625		
		Available Space	180	198	156	134	132	124	112		
		Comments	+12 Rooms +Gym								
Stedwick ES	CSR	Program Capacity	423	423	423	694	694	694	694		
		Enrollment	592	589	569	565	581	596	604		
		Available Space	(169)	(166)	(146)	129	113	98	90		
		Comments		Planning For Add.	+12 Rooms						
Watkins Mill ES	CSR	Program Capacity	291	629	629	629	629	629	629		
		Enrollment	593	605	597	598	596	608	604		
		Available Space	(302)	24	32	31	33	21	25		
		Comments		+16 Rooms +Gym							
Whetstone ES	CSR	Program Capacity	449	449	449	449	449	449	449		
		Enrollment	578	613	619	627	633	639	655		
		Available Space	(129)	(164)	(170)	(178)	(184)	(190)	(206)		
		Comments	+1 PEP	Facility Planning For Add.							
Cluster Information		HS Utilization	110%	98%	93%	91%	87%	88%	89%	90%	93%
		HS Enrollment	2048	1799	1715	1666	1593	1609	1631	1650	1700
		MS Utilization	85%	91%	93%	96%	95%	93%	93%	93%	99%
		MS Enrollment	1468	1560	1600	1646	1638	1606	1599	1600	1700
		ES Utilization	122%	105%	106%	95%	96%	98%	99%	99%	99%
		ES Enrollment	2320	2346	2366	2393	2415	2456	2488	2480	2480

WATKINS MILL CLUSTER

Demographic Characteristics of Schools

Schools	2005-2006								2004-2005
	Total Enrollment	African-American %	American Indian %	Asian-American %	Hispanic %	White %	FARMS%*	ESOL%**	Mobility Rate%***
Watkins Mill HS	2048	34.3%	0.2%	9.8%	27.8%	27.9%	27.4%	9.9%	17.1%
Montgomery Village MS	741	37.7%	0.0%	9.0%	31.6%	21.7%	43.2%	9.0%	21.9%
Neelsville MS	727	32.6%	0.4%	15.4%	27.5%	24.1%	42.8%	11.3%	19.6%
South Lake ES	557	32.1%	0.4%	18.1%	38.8%	10.6%	57.7%	26.3%	31.3%
Stedwick ES	592	37.0%	0.0%	12.0%	22.6%	28.4%	44.9%	15.4%	23.3%
Watkins Mill ES	593	41.0%	0.5%	10.1%	29.5%	18.9%	47.2%	21.2%	30.9%
Whetstone ES	578	32.5%	0.3%	10.7%	36.2%	20.2%	44.1%	19.7%	28.8%
Elementary Cluster Total	2320	35.7%	0.3%	12.7%	31.6%	19.7%	48.4%	20.6%	28.5%
Elementary County Total	62310	22.7%	0.3%	15.0%	21.9%	40.0%	31.5%	14.8%	17.9%

*Percent of students approved for Free and Reduced-priced Meals Program (FARMS).

**Percent of English for Speakers of Other Languages (ESOL). High School ESOL students are served in regional ESOL centers.

***Mobility Rate is the number of entries plus withdrawals during the 2004-2005 school year compared to total enrollment.

Program Capacity and Room Use Table

(School Year 2005-2006)

Program Capacity and Room Use Table																SPECIAL EDUCATION PROGRAMS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
Schools	Grades Served	Capacity (Sec. @90%)	Total Rooms	Support Rooms	Reg. Sec. @25	Reg. Elem. @23	CSR Grades 1-2 @17	Pre-K @20	Pre-K @40	HS @20	CSR KINDA @15	KINDA @22	KINDH @44	ESOL @15	METS @15	School Based	County & Regional Based																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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WATKINS MILL CLUSTER

Facility Characteristics of Schools 2005–2006


Schools	Year Opened	Year Ren./ Mod.	Total Square Feet	Site Size Acres	Adjacent Park	FACT Assess. Score	Child Care				Reloc. Class. 2005–06	Link. To Learn. Prgrm.	Elem. Gym
							Joint Use	Shared Space	County Owned	Private Mod.			
Watkins Mill HS	1989		301,579	50.1	Yes						2		
Montgomery Village MS	1968	2004	141,615	15.1		1358							
Neelsville MS	1981		124,337	29.2		TBD							
South Lake ES	1972	2005	83,038	10.2		TBD		Yes					
Stedwick ES	1974		84,335	10		TBD		Yes			8		Yes
Watkins Mill ES	1970		44,510	10	Yes	TBD		Yes			13		
Whetstone ES	1968		76,657	8.8		TBD		Yes			7		Yes

Office of the Superintendent of Schools
MONTGOMERY COUNTY PUBLIC SCHOOLS
Rockville, Maryland

December 2, 2005

MEMORANDUM

To: Members of the Board of Education

From: Jerry D. Weast, Superintendent of Schools 

Subject: City of Rockville Adequate Public Facilities Ordinance

On November 1, 2005, the City of Rockville (City) adopted an Adequate Public Facilities Ordinance (APFO) that regulates development approvals based on tests of transportation, schools, fire and emergency services, water supply, and sewer service adequacy. The City also has indicated that it will be requesting legislative authority to levy a schools impact tax to support capital projects at schools that serve City students. The following is a summary of the Montgomery County Growth Policy and the City's APFO for comparison purposes.

Montgomery County Growth Policy

The Montgomery County Council reviews growth policy issues biennially. After the last biennial review in 2003, the name of the policy was changed from Annual Growth Policy (AGP), to simply Growth Policy. This change in the name of the policy was instituted in response to the elimination of an annual review of traffic congestion levels in county policy areas. The elimination of policy area reviews for transportation facilities was the most controversial change to the Growth Policy in 2003. This change effectively eliminated restrictions due to traffic issues that had been in effect on new subdivisions in Aspen Hill, Clarksburg, Olney, Montgomery Village, and Fairland/White Oak.

On the other hand, the 2003 review of the Growth Policy resulted in strengthening the annual schools test. After extensive involvement by the Board of Education and Montgomery County Public Schools (MCPS) staff, the schools test was amended to reflect the following procedures:

- Test in school cluster geographic areas at the elementary, middle, and high school levels.
- Set the standard for school adequacy at 105 percent of Growth Policy capacity for elementary and middle schools, and 100 percent for high schools.
- Allow borrowing capacity from adjacent clusters only at the high school level.
- Allow subdivision applicants to make a School Facility Payment of \$12,500 per student generated by the development when projected enrollment in the applicable cluster exceeds the standard for school adequacy but is less than 110 percent of Growth Policy

capacity. Funds collected will be earmarked for a solution to the cluster's capacity shortfall.

- Place a cluster in a "hard" housing moratorium when projected enrollment at any level exceeds 110 percent of Growth Policy capacity.

In 2003, the County Council also adopted a development impact tax that is dedicated to school construction.

During the recent 2005 review of the Growth Policy, the County Council considered a number of new provisions to address concerns about traffic congestion, including putting a limit on jobs that can be created in Bethesda and reducing congestion standards in other parts of the county. The County Council did not consider changes to the schools test that were made in 2003 and were supported by the Board of Education. (On September 13, 2005, the Board of Education adopted a resolution supporting the current Growth Policy schools test and requested that no changes be made to it during the 2005 policy review. This resolution was transmitted to the County Council on September 15, 2005.)

In the recent Growth Policy review, County Council members were split over the issue of restoring policy area review for transportation facilities. Testing traffic congestion levels by county policy areas would create a tighter test and potentially close areas of the county to development—as occurred under the old Annual Growth Policy. The Council could not resolve their differences over this issue and ultimately voted against any of the changes that were under consideration. Therefore, the Growth Policy as it was adopted in 2003 continues to be in effect.

The schools test for FY 2006 revealed that all MCPS clusters had adequate capacity by the FY 2011 test year. Assuming funding is provided, the Board of Education adopted FY 2007–2012 Capital Improvements Program (CIP) provides sufficient capacity by FY 2012 to ensure that all clusters will pass the FY 2007 Growth Policy schools test.

City of Rockville Adequate Public Facilities Ordinance

The new City APFO provides a more restrictive test of schools than provided under the County's Growth Policy. Following are the provisions of the adopted schools test in the APFO:

- On an annual basis, test individual schools whose attendance area is either wholly or partially within the City of Rockville.
- Evaluate the utilization of each school two years in the future—comparing projected enrollment to MCPS program capacity.
- Do not allow borrowing of capacity from adjacent schools.
- In cases where a school's utilization exceeds 110 percent, close the school attendance area to residential development approvals for a one-year period. (Exclude projects of three or fewer residential units from this moratorium.)

- Apply the schools test in late June of each year, following publication of the MCPS Educational Facilities Master Plan, and utilize the outcomes for the following fiscal year.

The City's new APFO took effect immediately and evaluates school utilizations for FY 2008. Based on this evaluation, the following school attendance areas (or the portions that are within the City limits) are now closed to residential development approvals for the remainder of this fiscal year:

<u>Schools Failing the APFO Test</u>	<u>Projected Utilization Level in 2007–2008</u>
Beall Elementary School	121 percent
Fallsmead Elementary School	137 percent
Meadow Hall Elementary School	114 percent
Ritchie Park Elementary School	119 percent
Twinbrook Elementary School	120 percent
Thomas S. Wootton High School	114 percent

By selecting a two-year timeframe for the schools test, the City APFO does not take into account capital projects that are programmed in the six-year CIP, but are not completed in the first two years. The County Growth Policy has a five-year timeframe that allows all capital projects scheduled in the CIP to be considered in school utilization assessments. Because of this difference, the City APFO is likely to result in some areas being closed to development for extended periods of time—until capital projects are completed.

The actual impact of the City APFO is more limited than it appears. Most of the affected school service areas either have little potential for additional development or projects have received approval and are in various stages of construction. A summary of development in service areas failing the APFO test appears below.

Beall Elementary School Service Area

The Beall Elementary School service area contains the most potential for new development. However, most of the development that will take place in the Beall Elementary School service area already is approved. Large approved projects in the Beall Elementary School service area include the Rockville Town Center development where 636 high-rise units have been approved and are under construction, the Fitzgerald development of 465 high-rise units that has been approved for the parking lot located across the street from the Regal Cinema, and the replacement of the Bank of America building with 325 high-rise units. A smaller project of 44 units on the Chestnut Lodge property also is exempt from the new APFO. All of the high-rise projects are expected to generate very few school-age children.

Fallsmead Elementary School and Meadow Hall Elementary School Service Areas

These two school service areas have little potential for new development.

Ritchie Park Elementary School Service Area

The Ritchie Park Elementary School service area contains the new Falls Grove development. This community of 1,500 residential units is nearing completion and is unaffected by the new APFO. Also within the Ritchie Park Elementary School service area, but not within the City limits, is the Fortune Parc development. This mixed-use development, located at the intersection of Route 270 and Seven Locks Road, includes 150 townhouse units and 450 multi-family units. Beyond these two developments, there is little potential for future development in this school service area.

Twinbrook Elementary School Service Area

The Twinbrook Elementary School service area contains new residential development that is planned for the area surrounding the Twinbrook Metro station. This development, known as Twinbrook Commons, includes 1,114 multi-family units in high-rise and mid-rise structures located on the east side of the Metro tracks. This development has already received plan approval and is exempt from the new APFO. Beyond this development, there is little potential for future development in the Twinbrook Elementary School service area. (The Twinbrook Commons development also includes another 416 high-rise units on the western side of the Metro tracks in the Farmland Elementary School service area.)

Thomas S. Wootton High School Service Area

The portion of the Thomas S. Wootton High School service area within the City boundary consists of parts of the Fallsmead and Lakewood elementary school service areas. There is little potential for future residential development in these areas.

Recent Growth Policy actions by the County Council and the City of Rockville reflect a resurgence of public sentiment to slow down development in the county. This sentiment comes at a time when the County's planning processes and regulatory capacity are being called into question based on complaints about development in Clarksburg. The cyclical debate over what level of development is reasonable is likely to intensify as elections move closer.

If you need information, please contact Mr. Richard Hawes, director, Department of Facilities Management, at 301-279-3425, or Mr. Bruce Crispell, director, Division of Long Range Planning, at 301-279-3332.

JDW:LAB:DH:BC:lw

Copy to:

Executive staff

Mr. Crispell

Mr. Hawes

**Analysis of Capacity of Schools Attended by Gaithersburg
Residents Using Rockville's Schools Test**

School	110% program capacity	FY 08 enrollment	seats available
Quince Orchard HS	2004	1802	202
Ridgeview MS	1152	803	349
Brown Station ES	451	439	12
Rachel Carson ES	713	765	(52)
Fields Road ES	638	504	134
Jones Lane ES	544	463	81
Thurgood Marshall ES	558	570	(12)
Gaithersburg HS	2357	2185	172
Forest Oak MS	1036	909	127
Gaithersburg MS	1016	719	297
Gaithersburg ES	832	458	374
Rosemont ES	743	539	204
Summit Hall ES	487	499	(12)
Washington Grove ES	577	392	185
Strawberry Knoll	547	534	13
Watkins Mill HS	2019	1666	353
Neelsville MS	1009	928	81
Montgomery Village MS	883	718	165
South Lake ES	810	603	207
Watkins Mill ES	691	598	103

School	110% program capacity	FY 08 enrollment	seats available
Whetstone ES	493	627	(134)
Northwest HS	2450	2099	351
Lakelands Park MS	1250	800	450
Diamond ES	562	420	142
Wootton HS	2244	2376	(132)
Robert Frost MS	1247	1152	95
DuFief ES	447	419	28
Fallsmead ES	569	484	85